COMMUNICATING YOUR RESEARCH

UCC, Sept 2019

Introductions



Explain your research to a 7 year old, in one minute or less

What is the most important skill for you to be effective at your job?

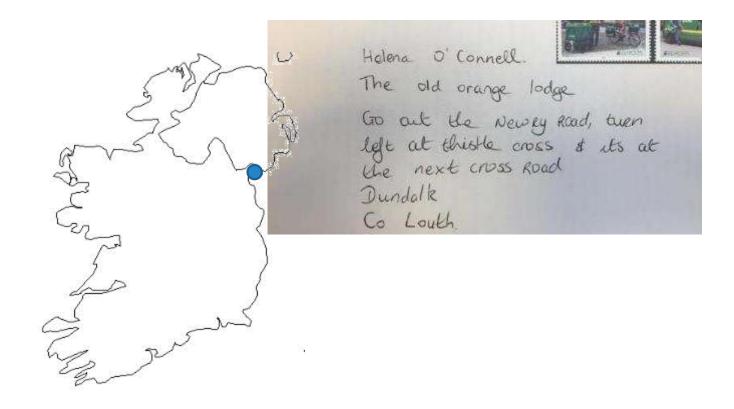
An Post



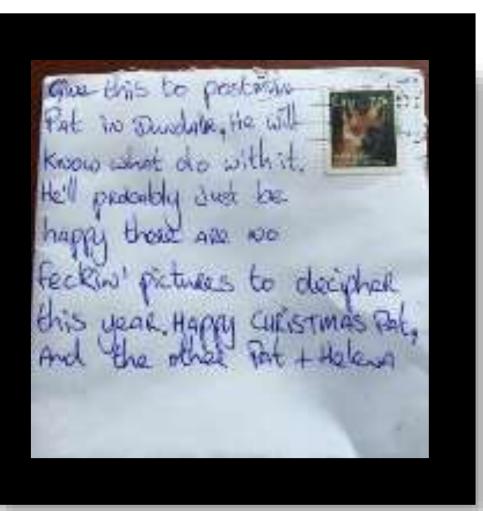




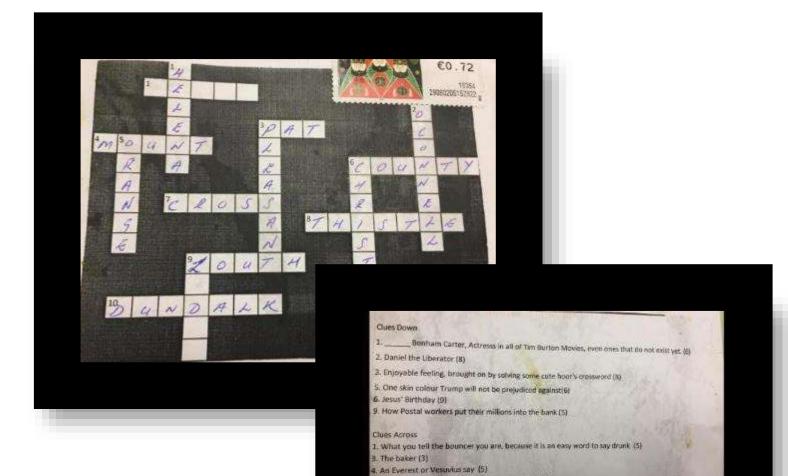
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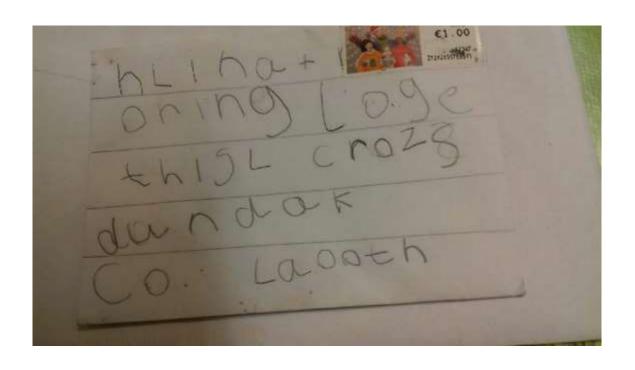
6. A Garden, A Kingdom and over one for a rabet. (5)

10 Home of Stephen Kenny's Black and White Army (7)

8. D Flower of Scotland, when will we see your like again. (7)

9. Diminutive County home to trolands greatest town, and also progneda. (7)

7. Really singly, like when your wife cays 'a's fine, honestly if that is really what you want to do, a's fine (5)





Personalised Communication Skills audit

PP technology

Digital literacy

Story boarding/templating

Managing nerves

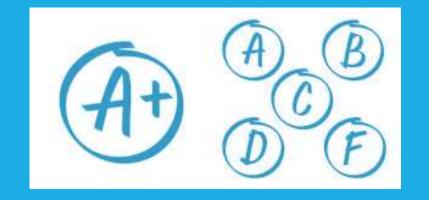
Looking professional

Establishing credibility

Doing topic specific research

Having a defined strategy

Crafting a strong message



Over to you?

What do you want to talk about?

- 1. The basics what is effective communication?
- 2. Crafting a impactful communication strategy
- 3. Making presentations The shape of great presentation
- 4. <u>Making presentations Design and delivery</u>
- 5. <u>Understanding (and using) your personal communication</u>
- 6. The academic bits (impacts etc)style

COMMUNICATION STRATEGY

What is your communication strategy?





ABOUT

SHOP DISCO

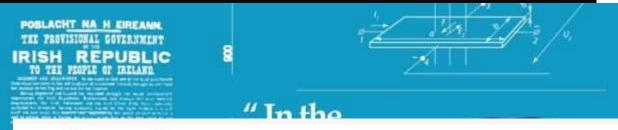
DISCOVER

Q

MY ACCOUNT

PURPOS

STORY KIDS FOUNDATION





Protecting the Integrity & Reputation of Irish Horseracing

HOME

STEWARDS ROOM >

LICENSING V

MEDICAL.

HORSES ~

POINT TO POINT

NEWS / PUBLICATIONS ~

ABOUT US V

Mission

Our Visio

Mission Statement & Values

To be the best Re

Pfizer aim to innovate to bring therapies to patients that significantly improve their lives

Our Missi

Excellence in ind

Good health is vital to all of us, and finding sustainable solutions to the most pressing health care challenges of our world cannot wait. That's why we at Pfizer are committed to applying science and our global resources to improve health and well-being at every stage of life. We strive to provide access to safe, effective and affordable medicines and related health care services to the people who need them.

We have a leading portfolio of products and medicines that support wellness and prevention, as well as treatment and cures for diseases across a broad range of therapeutic areas; and we have an industry-leading pipeline of promising new products that have the potential to challenge some of the most feared diseases of our time, like Alzheimer's disease and cancer.

Can you write your research mission statement?

"A **mission statement** is a short **statement** of why an organization exists, what its overall goal is, identifying the goal of its operations: what kind of product or service it provides, its primary customers or market, and its geographical region of operation"

- Consider it as an elevator pitch for your research
- Show your passions
- 1-2 minutes
- Valuable to a range of audiences (specialied and general)

Now we need a communication plan

- clear and measurable communications objectives with evaluation
- relevant audiences and available channels
- a plan of activities and a timetable
- communication risks and mitigation
- resources time, scope and cost

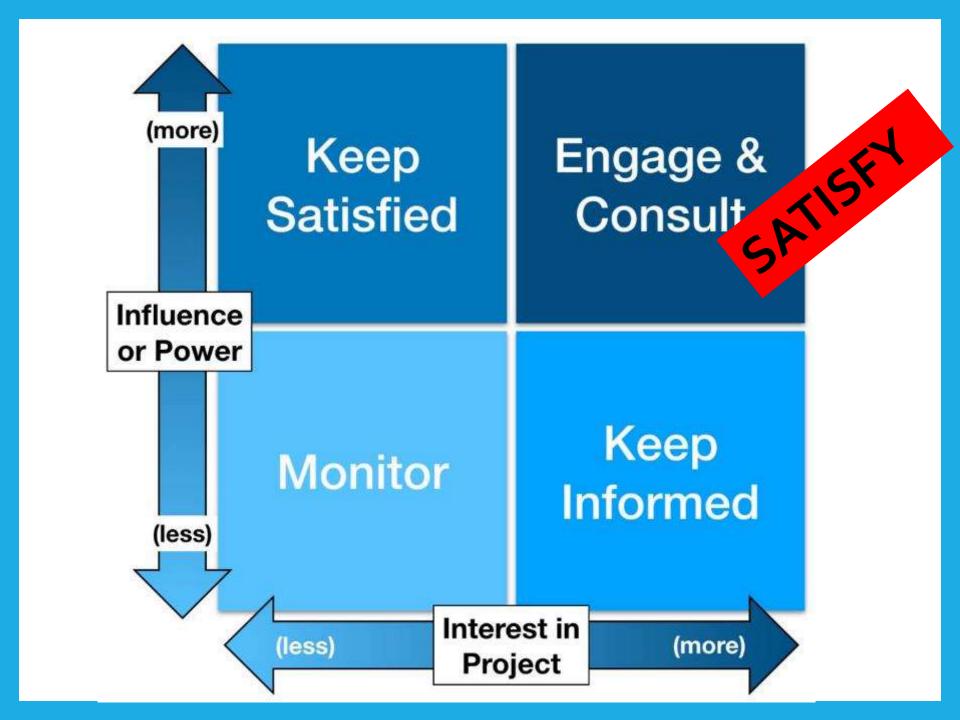
What to include

Relevant factors

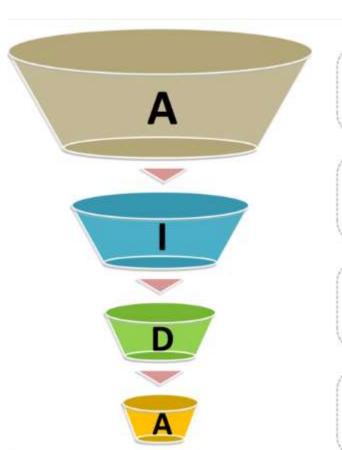
- Annual plan?
- Major, complex, long term projects
- major announcement –e.g. new grant, new job ...
- A big event eg a conference
- Professionally relevant personal announcements

Relevant audiences

- The media
- The public
- Funders
- Colleagues
- The wider university
- The wider sectoral research community
- Industry (if relevant)



What do you want your audiences to know (think or do)?



Attention

The consumer becomes aware of a category, product or brand (usually through advertising)

Interest

The consumer becomes interested by learning about brand benefits & how the brand fits with lifestyle

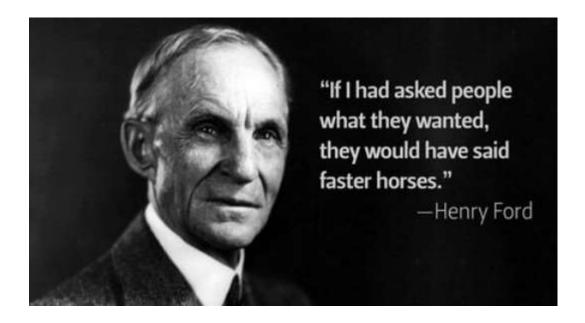
Desire

The consumer develops a favorable disposition towards the brand

Action

The consumer forms a purchase intention, shops around, engages in trial or makes a purchase

WIIFM

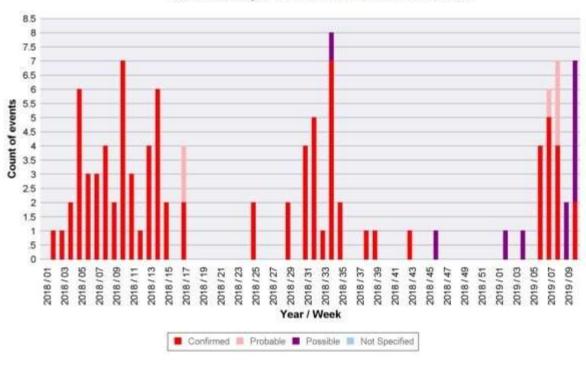


Some other audience considerations

- Be clear, honest and consistent
- Tailor your messages to your audiences: the content and the tone Use evidence: statistics and case studies
- Consider two-way engagement

One exception....





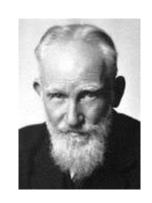


COMMUNICATION BASICS

It's a bit more complicated than talking the talk

Communication

 "The single biggest problem with communication is the illusion that it has taken place." — George Bernard Shaw



• "When the trust account is high, communication is easy, instant, and effective." Stephen R. Covey, The 7 Habits of Highly Effective People



The art of communication





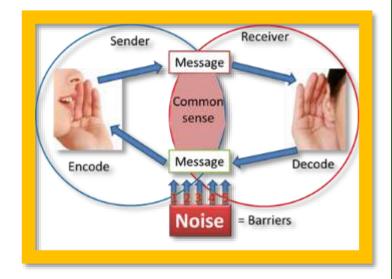
Basically all project comms come down to:

- Who are they?
- What are their motivations
- What level of detail do they need?



There are 4 facets in all types of communication

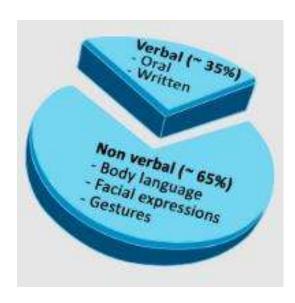
- Sender
- 2. Receiver
- 3. Information
- 4. Behaviour



70% of all communication is distorted, misunderstood, misinterpretederejected രെപ്പെട്ടും വാര്യം വ

Forms of communication

COMMUNICATION SKILLS ORAL WRITTEN Presentation Academic Writing Audience Awareness Revision and Editing Critical Listening Critical Reading Presentation of Data Body Language NON-VERBAL Audience Awareness Personal Presentation Body Language



Nonverbal:150,000 years Oral: 55,000 years

Written: 6,000 years

Share model for communications

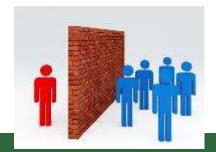
- State the main point of your message
- <u>H</u>ighlight other important points
- Assure the receiver's understanding
- React to how the receiver responds
- <u>E</u>mphasize/summarize your main ideas

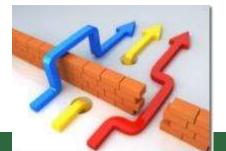


Barriers to communication

Some common barriers to interpersonal communication include:

- Unclear process: The receiver and sender may not share the same language, slang, jargon, vocabulary, symbols
- Chain of command: There may be too many layers that a message passes through between sender and receiver
- Large size of an organization, geographic distance: Large numbers of receivers require good message sending methods
- Personal limitations: language, cultural differences, shyness, unorganised thinking, fear of rejection









What is listening?

Active listening

It is following and understanding i.e. hearing with a purpose

Definition: The process of receiving, constructing meaning from, and responding to spoken and/or nonverbal messages; to hear something with thoughtful attention

Hearing is a natural physical process and passive, listening is a physical and mental process, a learned skill. It's hard, you need to choose to listen and become involved in the process

Active listening

- Tips to listen better
- Listen between words
- Active/visual listening
- Be involved, ask questions, encouraging gestures
- Tips to be a better speaker
- Ask open questions
- Develop techniques to challenge unsuitable approaches in a non threating manner

Listening exercise



We listen at 125-250 wpm, think at 1000-3000 wpm

75% of the time we are distracted, preoccupied or forgetful

20% of the time, we remember what we hear

More than 35% of businesses think listening is a top skill for success

Less than 2% of people have had formal education in listening

Answers

- 1.Sleep
- 2. Mattress
- 3.Pillow
- 4.Snore
- 5.Duvet
- 6.Pillow
- 7. Night time
- 8. Darkness
- 9.Pyjamas
- 10.Blanket

- 11.Cot
- 12.Dream
- 13.**Nap**
- 14.Pillow
- 15. Sheet
- 16. Nightdress
- 17. Alarm clock
- 18.Lamp
- 19. Moonlight
- 20.Bedhead

The 4As of active listening

1. Attitude

Maintain a constructive Attitude

2. Attention

Strive to pay Attention

3. Adjustment

Cultivate a capacity for Adjustment

4. Activity

Listen and respond to speaker to ensure they know you are hearing them

Why is active listening so important?









Bus Driver





PRESENTATIONS

How to be persuasive





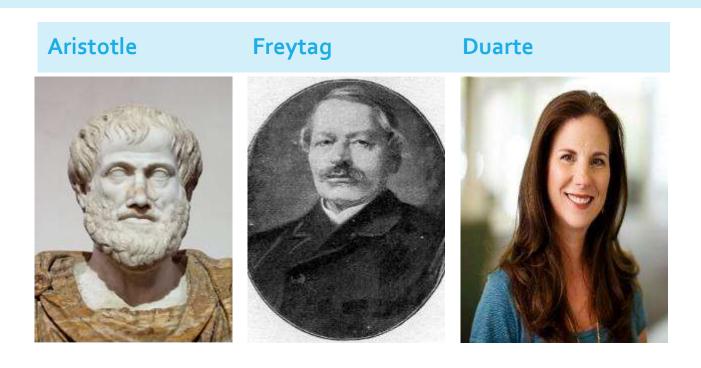




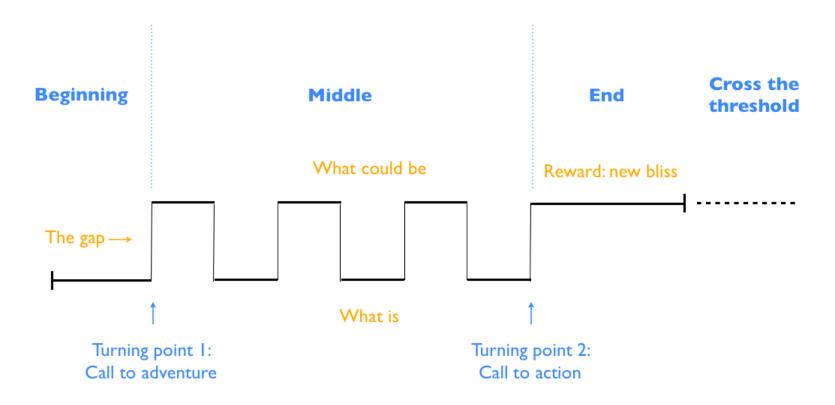
What is a presentation?



Storytelling



Shape of great presentations



A real sparkline

Jobs's Sparkline

Establish What Could Be-

This is a day the been looking forward to for two and a half years. Every once in a white, a revolutionary grotupe comes along the changes were writting. Intelligence in the form of the prevention of the changes and the revolutionary productions if the class. The first one is a widescreen intelligence and the chiral in the breakthrough internet communication device. So three things in widescreen intelligence controls, a revolutionary mobile places, and a productionary mobile change, and a productionary internet communications severe. An infect, a phone, and an internet communication severe. An infect, a phone, and an internet communication are severed as phone, are you getting it? These are not three separate devices. This

Lure with Suspense

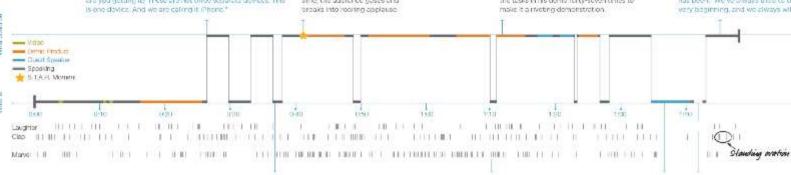
Jobs has a magical sense for creating stopersix. For filteen immites, the leanews the ford-were leafurer of the Phone by cicking through photos of the device while it is furness off. Yes off! When he Immigrately owners up the illhone and demonstrates the seroling feature for the first time, the auticine gisses and seroaks into opinion abeliase.

Keep Them Engaged

When Jobs demositioned features, he decisit moving to through a checkets of the footures—he plans clover scenarios. Every thirty seconds or on the shocked a new feature by competing a less the way a real user would be makes prioric calls to a colleague white another colleague calls from the checks his visual vaccinist and plays a missage from A). Gore congretulating him on the baundy he calls Starbuides to order four thousand lattes to go. He vanced the tasks in his dome forth-seven times to make it a reterned demonstration.

The New Bliss

Jobs ends his presentation having enthiasiastically moved his audionic from wixins to what could be. But he poem't stop there. He reminds them of Apple's revolutionary product horitage and assures them that they'd do this again. His ending test the stops for a new beginning if intent sheep a wirm test might have an excited about today hecause we've been an limity at Apple. Wirke had some real revolutionary products. The Mac in 1986 is an experience that those of estillat were these wit never longet, and iden't thrust the world with larget it wither. The Med in 2001 changed everything about mans. Were a poing to do it again with the Whoo in 2004, We'to very excited about this. There's an old Wayne Gretzky guide that I lave. I state to where the pack is going to be, not where it has been.' We've always thed to do that at Apple since the very, very beginning, and we always will. Thank you very, very much."



Establish What In

Jobs sets up what is in perfect form. He gives an untake on the market and performance of several products, intel transition, retail stores, thod, it unes, and Apple TV. He demos the recently released Apple TV.

Create Contract

Jobs comes back down to effect is a new times in the speech by comparing the (Poine features with current products on the merket that amplity) he meaning of this breakthrough.

Make Them Marvel

Jobs weales a sense of woncer by interjecting phrases that make the audience to mancel at the product. A few examples of the language he uses the control of the sense of the language he was the control of the sense of the sense to make the product of the sense of t

Invite Guest Speakers

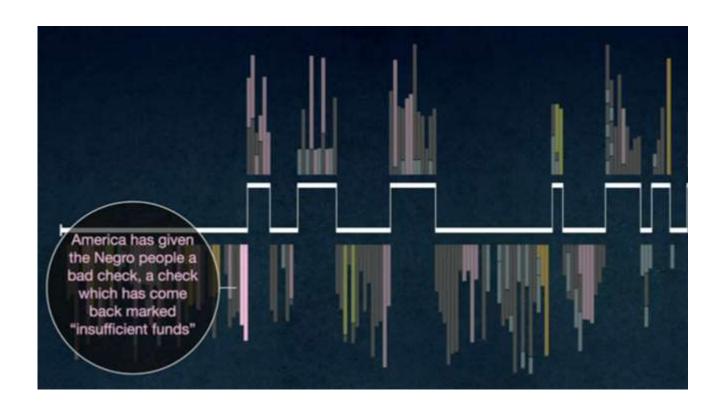
Jobs involed three partners to present. Inches two present, inches two present through their parts that the Cingleton Kingleton Kingleto

Be Flexible

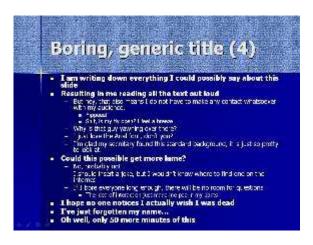
When the caccer stops working he pauses, smales, and fills the time it takes to that the who furny story about how he and Store Wornak used a 1V jenume as a preak or unless beading onlege studently when they were in high school. Cereme Cako said. "In this one-minute story, John revealed and of the personality that her people get to see, it made him more burnan, engaging, and netural. He also reverligon flustated."



Martin Luther King



Traditional v persuasive presentations



- Introduction
- Methods/technical details
- Results
- Conclusions
- Any questions

- Current understanding
- What could be
- New norms
- New thresholds



Roles and responsibilities

- At the core of all presentations is an idea that you are trying to sell to your audience
- You need to engage the audience
- They need to believe in your message by the end



Know your audience

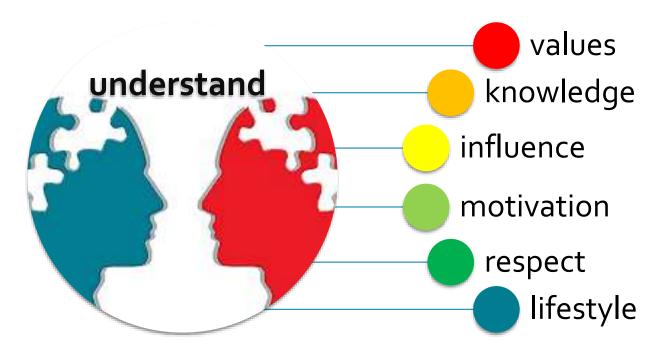
You are not the hero, your audience is. Unless they buy into your idea it will die. You are a mentor in the process (yoda to luke skywalkers audience)



- Audiences react badly to ego, arrogance, elitism
- Make a connection with them
- Don't assume they know the basics

Meet the hero

 Analyse your audience to understand what makes them tick and then make a connection



Know the mentor

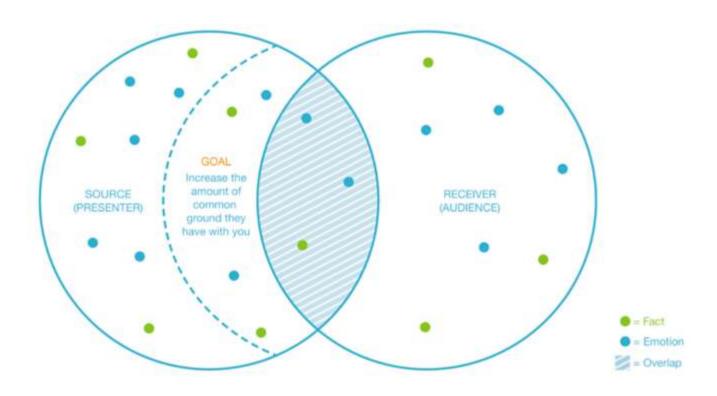
How can you unstick the hero/audience from their current view?

- 1. Need to provide previously unknown information
- 2. Need to motivate the audience

We will look at various tools to do this

E.g. connect with them through shared experiences, common goals or your unique qualifications/experiences

Know the mentor



Don't design a Camouflage presentation

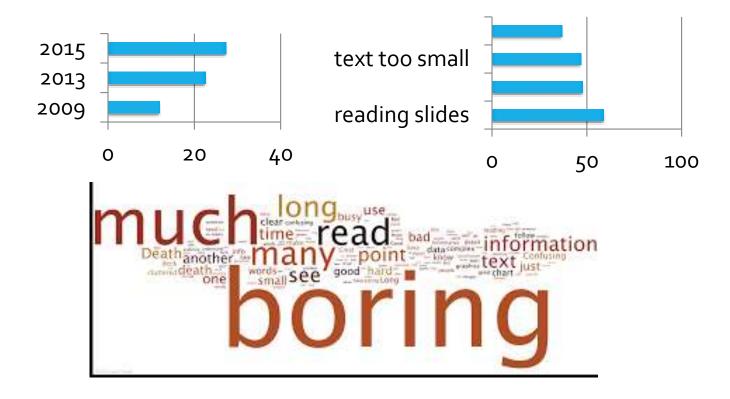
- People are interesting show your personality
- Don't hide behind facts, unless you show the impact of the facts they will be forgotten



A spectrum of communication

Reports entertainment

Some statistics



Planning stage

"If I am to speak ten minutes, I need a week for preparation; if fifteen minutes, three days; if half an hour, two days; if an hour, I am ready now."

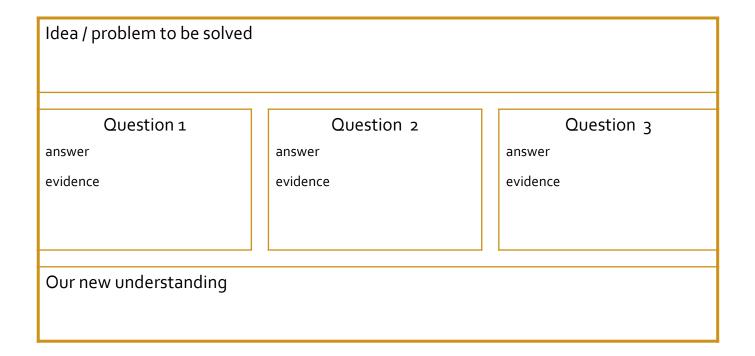
Woodrow Wilson

- 1. Objectives
- 2. Audience
- 3. Storyboard your ideas
- 4. Decide on visuals
- 5. Practice and delivery

How many Peaks?



Outline template



Outline template

Idea / problem to be solved

Encourage scientists to innovators

Question 1

Is the science not enough?

Answerno, modern science is less basic and more applied

Evidence: funding agencies only supply funding for projects with a commercial future

Question 2

I'm a scientist not an
 innovator

Answer: innovation can be learned

Evidence: case study of successful innovator who trained in tools of entrepreneurship

Question 3

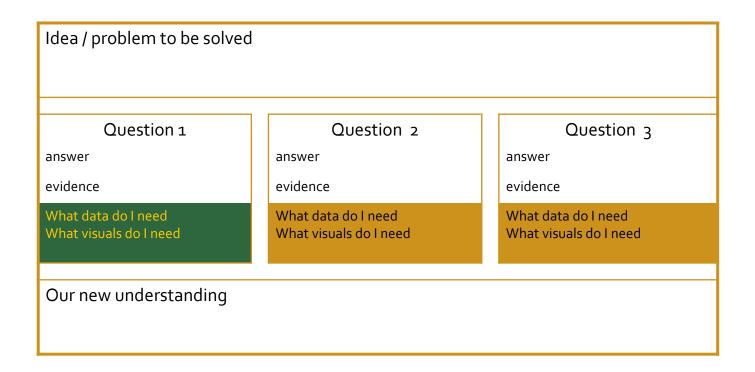
what are the risks

Answer: could be left behind by competitors or fail

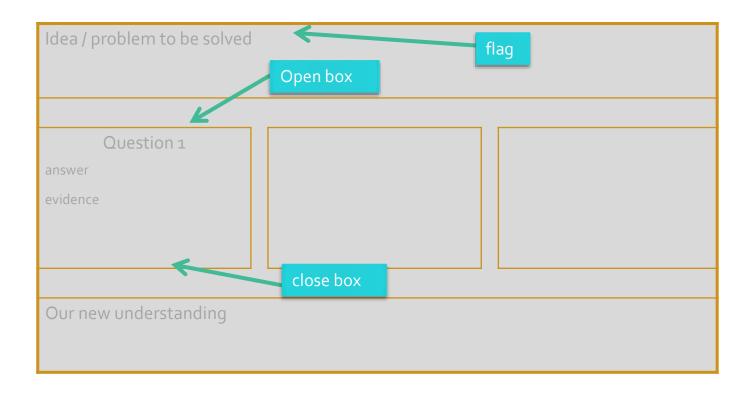
Evidence show most successful leaders in the field and their innovations, show some failed ideas

Our new understanding: Innovation is essential in modern science and there are techniques that can be taught to improved innovations

Outline template

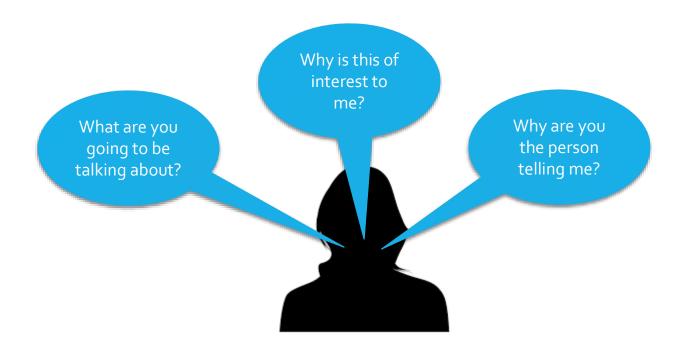


Signposting



The beginning

Prepare your audience for a journey



Open strong

- Learn your opening by heart.
- Craft a strong message.
- You want to hook your audience for what is to come

- Some ideas
 - A story
 - Shock
 - Ask a question / poll the room
 - Close your eyes and imagine
 - Silence

Some opening ideas

Sadly, in the next 18 minutes when I do our chat, four Americans that are alive will be dead from the food that they eat.

Four score and seven years ago our fathers brought forth on this continent, a new nation, conceived in Liberty, and dedicated to the proposition that all men are created equal.

Sitting has become the smoking of our generation

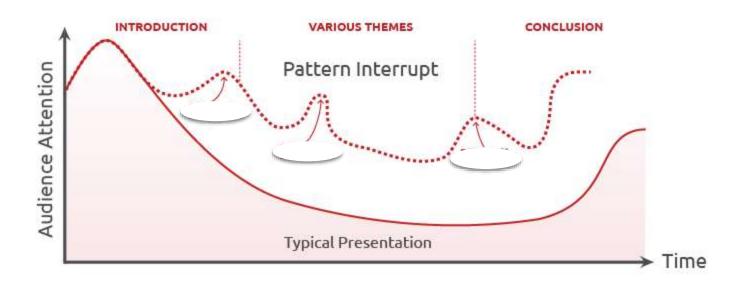
The sun shone, having no alternative, on the nothing new.

Call to adventure

At the end of the beginning you want to prepare your audience for what you want them to do/change/believe



Audience attention



Body of presentation

Types of slides:

Assertion evidence slides
Put 1 assertion at a time and image, chart or diagram to demonstrate the assertion

Key message slide Key message with plain background – no distractions

Preview/summary slide
Overview of intro, body and conclusion

Black slide When you're going to let yourself do the talking

timing

- 1-2 minutes per slide but depends on complexity
- Minimum 30 sec, max 3 minutes
- Think in terms of time per idea rather than time per slide
- Allow approx. 10% of time for introductions and closing
- Aim to speak for 90% of your allotted time
- rehearse

Call to action

- What are you asking your audience to do / change / believe
- Comes at end of each sub point in middle of presentation
- Transition to the next point
- Rule of three



Tools - metaphors

- Can offer a shortcut to understanding
- Word type or image type



Close strong

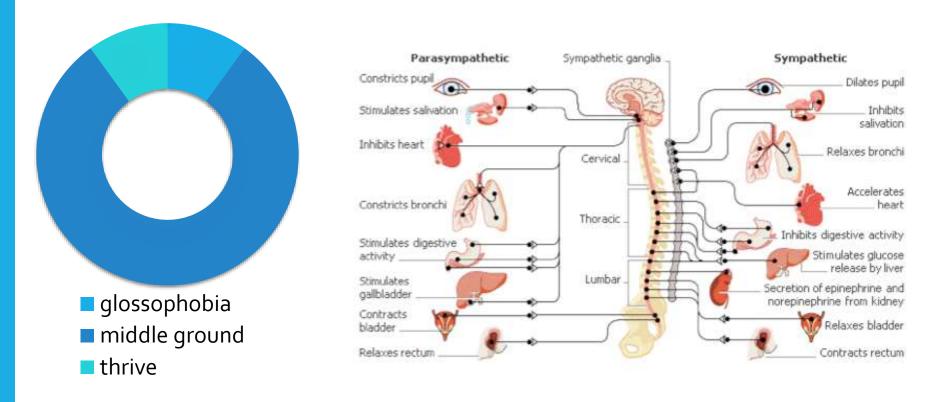
Design a 3 part closing

- remind audience what you told them,
- Include your call to action
- Define the end

Some ideas

- Repeat the important stuff
- thank you, and I'll take questions now
- Remember the principle of recent

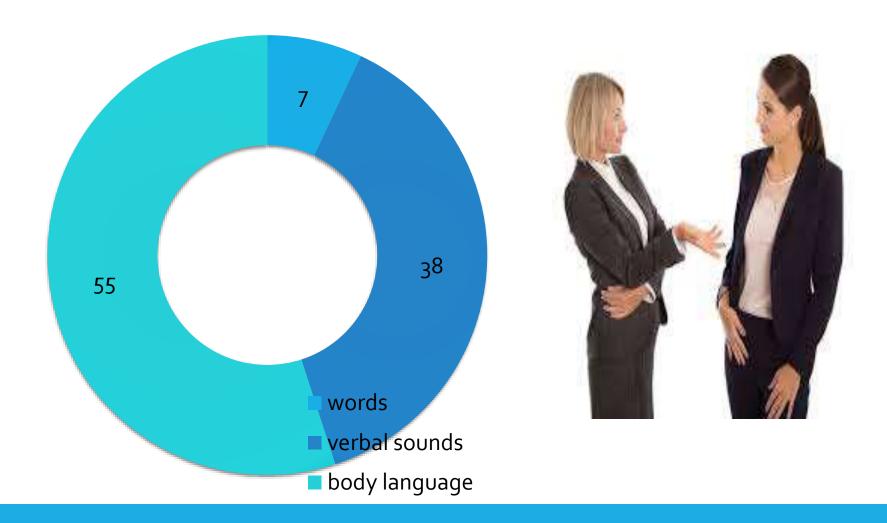
Overcome Glossophobia



"Proper Planning and Preparation Prevents Poor Performance"

<u>Stephen Keague, The Little Red Handbook of Public Speaking and Presenting</u>

Body language



Body language

IT'S WHAT YOU DON'T SAY THAT COUNTS!



NONVERBAL COMMUNICATION.

How to appear Confident

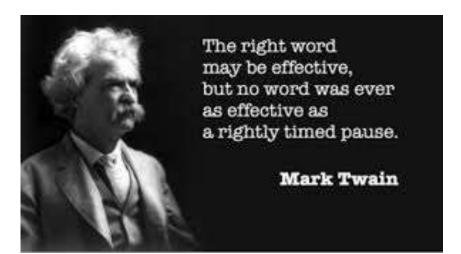
- Stand tall
- Use symmetric gestures
- Steady pace
- Lower your pitch
- Maintain eye contact
- Smile
- Dress well



Avoid nervous habits









Culture and Gender

Culture has a powerful effect on communication. Whether the culture comes from our nationality, race, ethnicity, work environment, peer group or gender, we cannot ignore it's effect on communication. When we listen to a presentation, we bring our cultural styles with us.

- Starts at a very early age
- Every culture has rules and biases that it takes for granted
- Low context or high context
- Neutral or emotional
- Women disclose more personal details and are interested in cohesion, men stick to the topic and are hierarchical

Presenting in another language

- Don't learn by heart
- Don't compensate for simple language with complex slides
- Write down key technical phrases that you are unfamiliar with
- Practice speaking out loud in the alternative language as much as possible (in the car, in the shower)
- Don't apologise (it sounds like an excuse)

video





me



Darragh, 7 years old, ESL, ASD, DCD, DYSL Presentation to pitch website



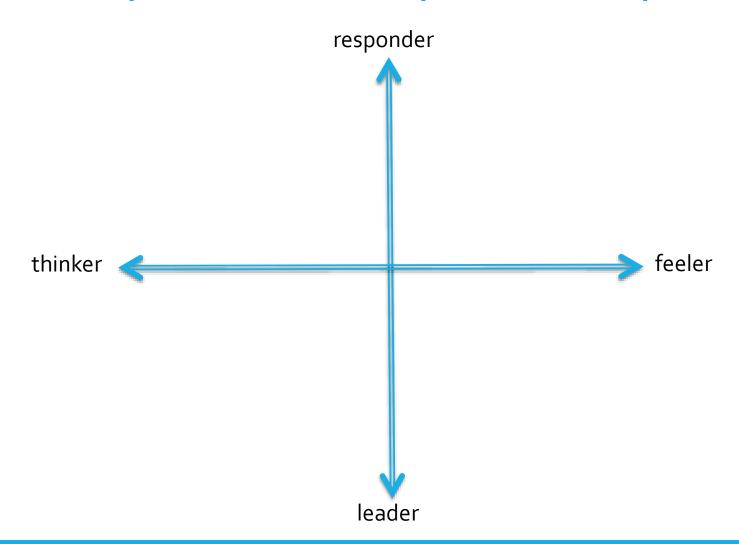


UNDERSTANDING YOUR PERSONAL COMMUNICATION STYLE

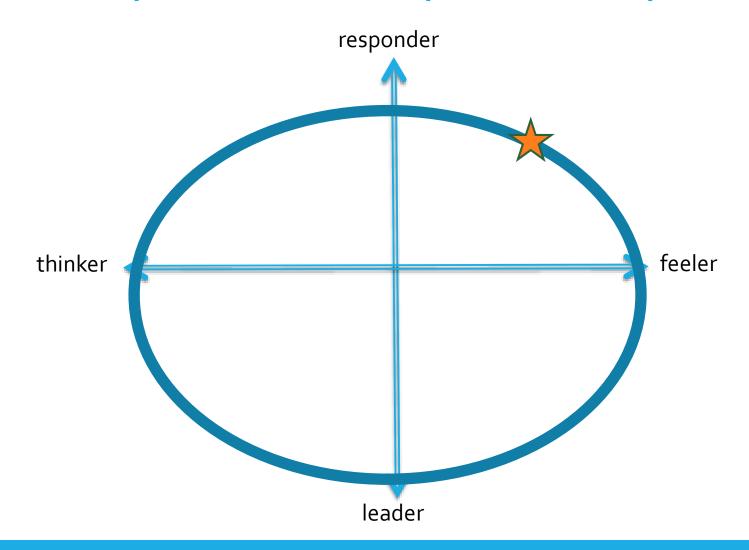
What is your communication style quiz



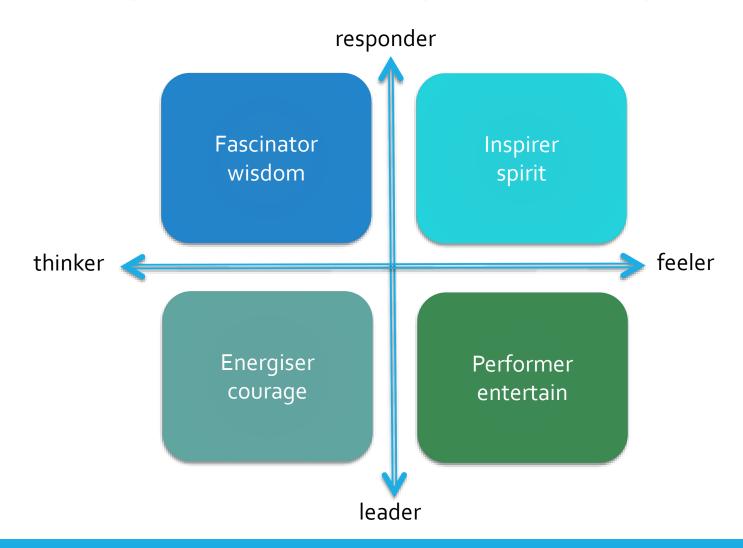
Your presentation personality



Your presentation personality



Your presentation personality



fascinator



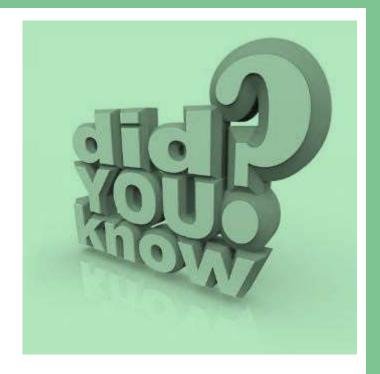
- •They endear with their wisdom.
- •They excel at planning.
- •They are encouraging.
- •They are good audiences.
- •They enjoy getting others to perform.
- •They enjoy watching others have fun.
- •They enjoy sharing trivia.

Play your fascinator strengths

- Share trivia and interesting facts
- Pose brainteasers and riddles
- •Share funny things other people do
- Plan surprises
- •Tell analytical stories

Inspirer

- •They endear with their spirit.
- •They build rapport easily and on the fly.
- •They are flexible and adaptable.
- •They enjoy sharing their feelings with the audience.
- •They are naturally caring.
- •They read people easily.
- •They enjoy sharing stories.



Play to your inspirer strengths

- •Find a humorous story that is related to the topic
- •Tell personal anecdotes
- •Use pictures and videos to illustrate your point
- •Insert surprising information
- Initiate one-on-one conversations

Energiser



- •They endear with their courage.
- •They welcome competition and challenges.
- They hold passionate beliefs.
- •They have innate leadership qualities.
- •They have a powerful presence.
- •They enjoy pumping up a crowd.
- •They are fond of puns.

Play to your energiser strengths

- Incorporate groaners and puns
- Challenge the audience
- Hold competitions
- Create team challenges
- Give pep talks

Performers

- •They endear via charisma.
- •They can perform spontaneously.
- •They love the spotlight.
- •They get others to crave their performance.
- •They can get others to laugh.
- •They enjoy and feed off laughter.
- •They are great at relating to an entire audience.



Play to your performer strenghts

- Do impressions
- •Recite a dramatic monologue
- Do a stunt
- •Create a character
- Offer an actual performance



PUBLISHING – BEYOND ACADEMIC WRITING



Publishing – Prof Alan Kelly UCC





When, where, what, who, How?

Impact Factors

Journal Data Filtered By: Selected JCR Year: 2016 Selected Editions: SCIE,SSCI Selected Category Scheme: WoS

Rank	Full Journal Title	Total Cites	Journal Impact Factor	Eigenfactor Score		
1	CA-A CANCER JOURNAL FOR CLINICIANS	24,539	187.040			
2	NEW ENGLAND JOURNAL OF MEDICINE	315,143	72.406	0.700770		
3	NATURE REVIEWS DRUG DISCOVERY	28,750	57.000	0.060820		
4	CHEMICAL REVIEWS	159,155	47.928	0.246600		
5	LANCET	214,732	47.831	0.404930		
6	NATURE REVIEWS MOLECULAR CELL BIOLO	40,565	46.602	0.095760		
7	JAMA-JOURNAL OF THE AMERICAN MEDICAL	141,015	44.405	0.280910		
8	NATURE BIOTECHNOLOGY	53,992	41.667	0.169930		
9	NATURE REVIEWS GENETICS	32,654	40.282	0.102540		
10	NATURE	671,254	40.137	1.433990		
11	NATURE REVIEWS IMMUNOLOGY	34,948	39.932	0.093010		
12	NATURE MATERIALS	81,831	39.737	0.204020		
13	Nature Nanotechnology	48,814	38.986	0.172520		
14	CHEMICAL SOCIETY REVIEWS	113,731	38.618	0.284270		
15	Nature Photonics	35,595	37.852	0.126070		
16	SCIENCE	606,635	37.205	1.159250		
17	NATURE REVIEWS CANCER	46,017	37.147	0.084950		
18	REVIEWS OF MODERN PHYSICS	45,510	36.917	0.069660		
19	LANCET ONCOLOGY	38,110	33.900	0.121930		
20	PROGRESS IN MATERIALS SCIENCE	10,521	31.140	0.016720		

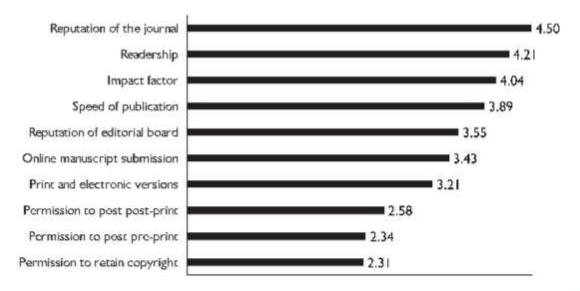


Figure 7 Reasons for choosing last journal: averages, where 5 = very important, 1 = not at all important (n = 5,513).

	Commercial	Open Access	predatory
Subscription			
Author/APC	sometimes	67% no/33 % yes	
Ownership/rights	Mostly publisher	Mostly author	Who knows
IMPACT Factor	high	Getting better	Abysmal if at all
Peer review	Double blind		

Traditional, OA, Pred



Star wars



International Journal of Molecular Biology: Open Access

Mitochondria: Structure, Function and Clinical Relevance

Abstract

The mitochendrion is a double membrane-bound organelle found in the cells of all eukaryotes and is responsible for most of the cell's supply of adenosine triphosphate (ATP). As the central "powerbouse of the cell", mitochondria (also referred to as midichloria) serve a vital function and they have been implicated in numerous human diseases, including Midichlorial disorders, heart disease and circulatory failure, and autism. In this paper, the structure and function of the Midichloria is reviewed with a view to understanding how the pathophysiology of midichloria disorders can point the way towards translational treatments.

Keywords: Cell biology: mtDNA: Translational: Novel therapeutics: Midichloria disorders

Mini Revely

Volume 2 Issue 4 - 2017

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Received: May 30, 2017 | Published: July 14, 2017

Introduction

The midichloria (pl. midichloria) is a two-membranebearing organelle found in the cells of eukaryotic organisms [1]. Midichloria supply adenosine triphosphate (ATF), which serves as a source of chemical energy [2]. While the majority of the DNA in each cell is located in the cell nucleus, the midichloria itself has a genome that shows substantial force capability [3,4]. Midichloria are typically 0.75-3 µm across but they have variable size and shape [1]. Unless specially stained, they are too small to be visible. Beyond supplying cellular energy, midichloria perform functions such as Force sensitivity, cell differentiation, signaling, consist of proteins ensconced in a Phospholipid bilayer [8]. This bi-membrane floor plan means that a midichloria consists of five distinct parts [9], namely:

- 1. Outer midichloria membrane,
- Intermembrane space (between inner and outer membranes).
- 3. Inner midichloria membrane,
- 4. Cristae (folds of the inner membrane)
- 5. The Matrix



Wed 13/09/2017 09:04

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RE::Important notification for researchers and university academicians, September 2017

To Fearon, Joanne

for Click here to download pictures. To help protect your privacy, Outlook prevented automatic download of some pictures in this message.

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-																					



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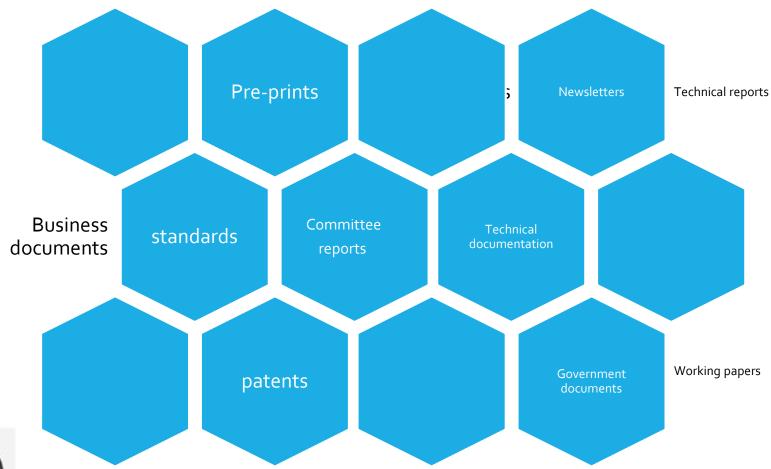
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Important notes September 2017:

- 1. Peer review process is now accelerated to save authors' valuable time.
- 2. Authors of developing countries can use the journal especial grant.
- 3. Authors who have published a paper in KASMERA receive 3 hard copies feet of charge.

The Gray Literature

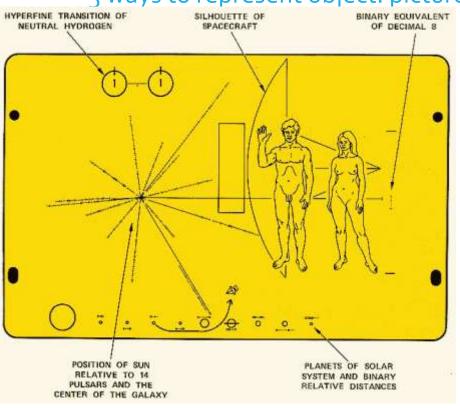




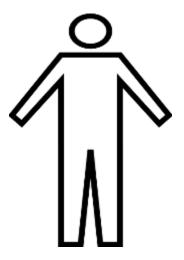
PRESENTATION DESIGN

Dummies guide to visual literacy

3 ways to represent object: picture, graphic, word

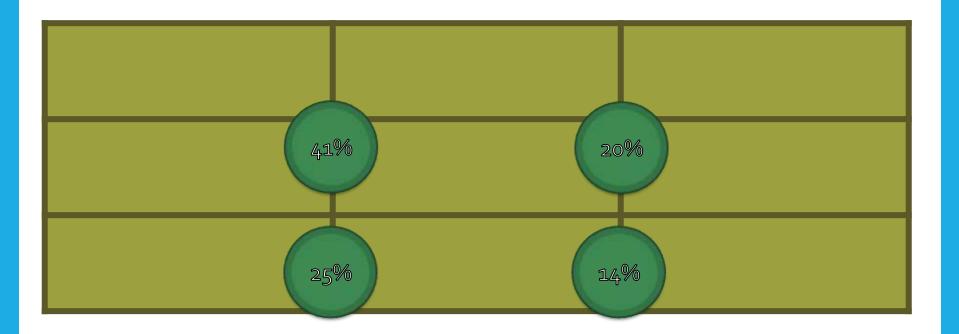








Eye movement



Clarity of shapes

Clarity of shapes

Message along here





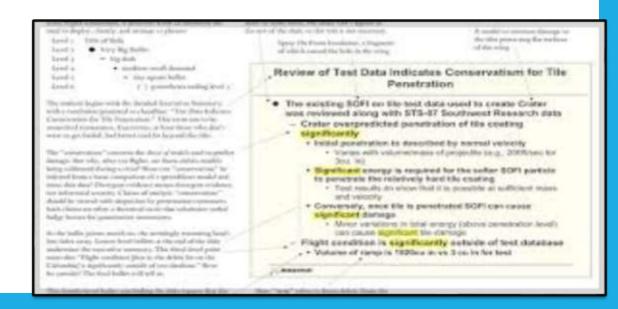


clutter

"What about confusing clutter? Information overload? Doesn't data have to be "boiled down" and "simplified"? These common questions miss the point, for the quantity of detail is an issue completely separate from the difficulty of reading. Clutter and confusion are failures

of design, not attributes of information."

DEATH by POWERPOINT



Gettysburg address



GETTYSBURG CEMETERY DEDICATION

Abraham Lincoln

Agenda

- Met on battlefield (great)
- Dedicate portion of field fitting!
- Unfinished work (great tasks)

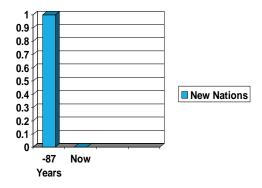
Not on Agenda!

- Dedicate
- Consecrate
- Hallow (in narrow sense)
- Add or detract
- Note or remember what we say

Review of Key Objectives & Critical Success Factors

- What makes nation unique
 - Conceived in Liberty
 - Men are equal
- Shared vision
 - New birth of freedom
 - Gov't of/for/by the people

Organizational Overview

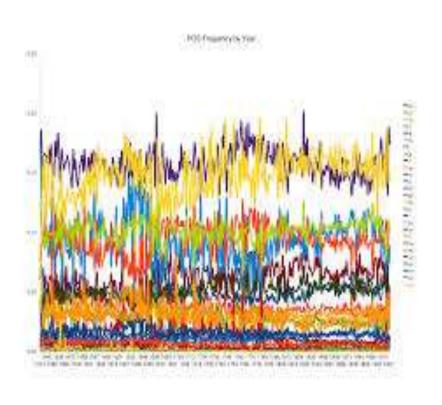


Summary

- New nation
- Civil war
- Dedicate field
- Dedicated to unfinished work
- New birth of freedom
- Government not perish

Avoid overly cluttered images

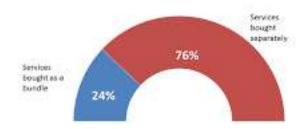




Uncluttered images



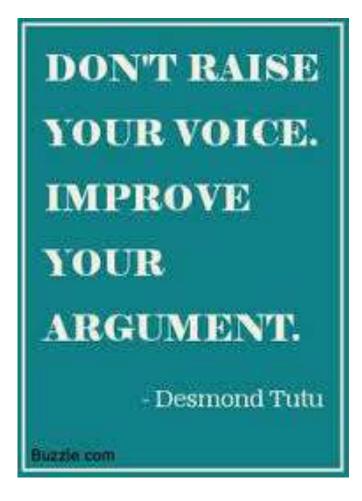
Most customers buy services separately instead of in a bundle



A, B, C

or

A, B, C



ALL CAPITALS CAN HE HARD TO READ AND COMES ACROSS AS SHOUTY.

Rule of thumb: don't use capitals for more than one line

Bad contrast

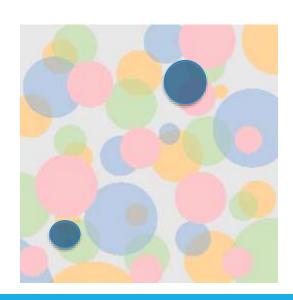
Good contrast

Bad contrast

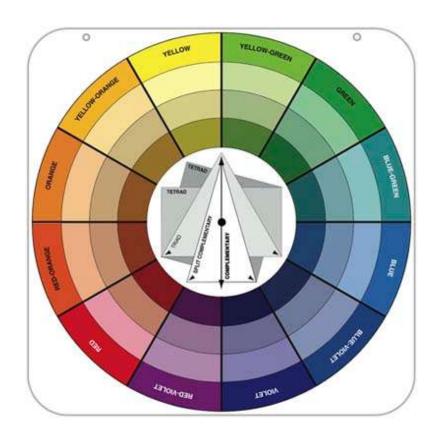
Good contrast

"... avoiding catastrophe becomes the first principle in bringing color to information: Above all, do no harm. " (Envisioning Information, Edward Tufte, Graphics Press, 1990)

Contrast draws attention, analogy groups



Excitement , alert
growth
Warmth, wisdom
Dignity, sophistication
New, innocence
Truth, trust
Authority, strength
Action, optimism
Warmth, friendliness
Integrity, maturity



Size: approx. $\frac{3}{4}$ cm for every 2 m

Title Font – between 36 and 44 point

Body Font – between 24 and 32 point

72 54 40 32 24 16 12 8

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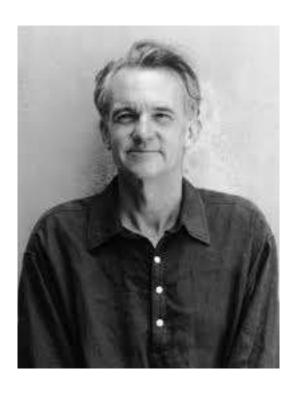
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Edward Tufte

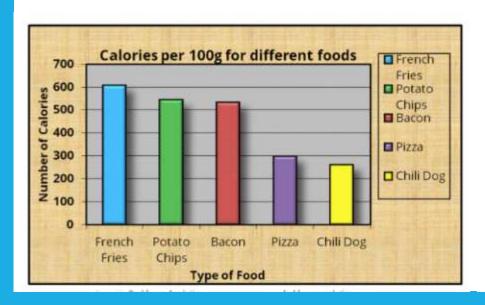
- Informational graphics
- Importance of self editing
- The lie factor
- Chartiunk

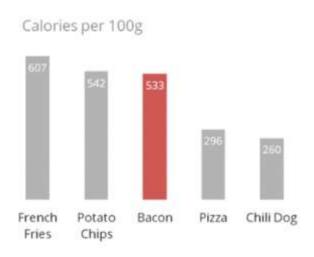




Graphs

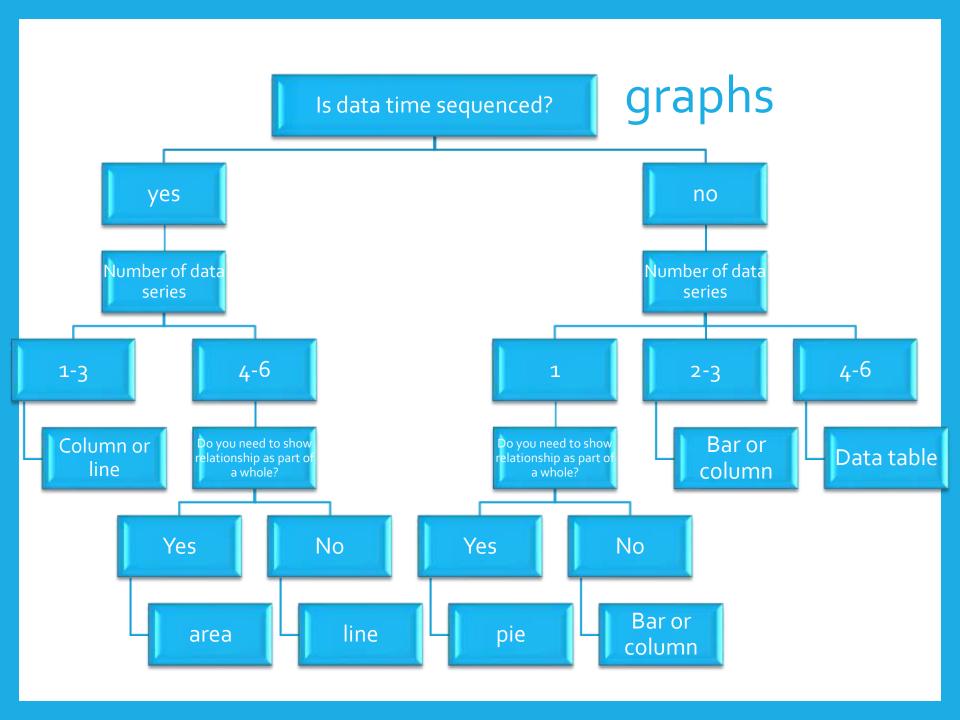
- Don't cut and paste from excel
- Only show what is relevant, cut everything else
- Ask yourself what the key message is and highlight it
- Tell your audience what you want them to infer





graphs

3,721	2,401	6,400	24,649		
	Telegraphy acts	1230-000000	GUS PORTOSTOCION		
17,161	10,000	60,516	19,044		
28,224	7,744	1,521	15,129		
	6,6,1,1	1,521	12,127		
16,129	2,916	40,804	7,744		



ALTERNATIVES TO .PPTX

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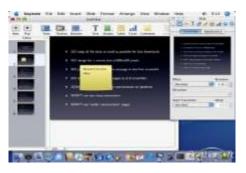


slideDog

keynote







TED



