

The Business of Innovation Make them understand

Dr Iarla Kilbane-Dawe Innovations Director, AEA In the last two days ...

You came up with ideas. You refined ideas based on feedback.

You discovered how hard it is to convey ideas.

To innovate successfully, you must communicate your ideas quickly and effectively.



In science we are used to ...

- Being listened to for long periods and through detailed explanations.

- Having an audience that is highly literate and competent.



But even with an expert audience you can see how hard it is to get ideas across quickly ...

| Product idea | Day 1 | Day 2 | Final |
|---------------------------------------------------------------|-------|-------|-------|
| Climate Change Mitigation Game | 6 | 44 | |
| Star alert | 29 | 23 | |
| Audiograph | 8 | 22 | |
| Autotrans | 23 | 19 | |
| Sun fun | 0 | 17 | |
| Reduce, reuse, reed cycle | 19 | 16 | |
| Space garbage collection | 9 | 14 | |
| RIP Space | 21 | 12 | |
| Reality ³ / hydro ³ portable helicopter | 0 | 6 | |
| Home 3d | 15 | 5 | |
| Sciencespeak | 10 | 4 | |

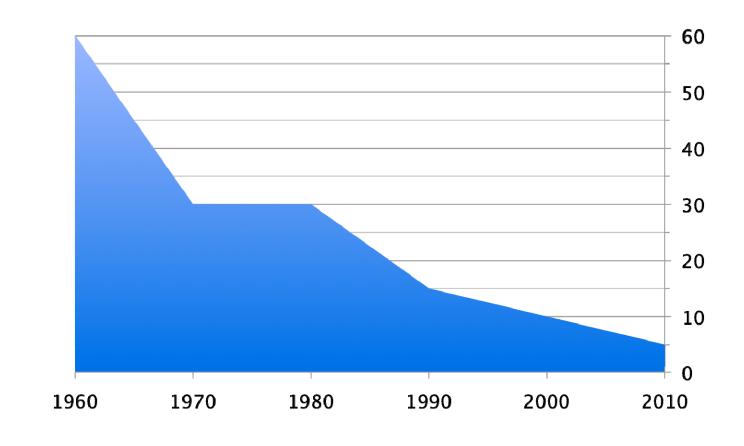
Our mission for today ...

How to get your ideas across.

- Make it pretty
- Keep it simple and brief
- Get your message right



Minimum length of TV Commercials



Decade

Tell me what you think is on offer here

Millions of people enjoy because of its crisp, clean taste that really quenches your thirst. But also has an honest, straightforward attitude that sets it apart from other soft drinks.

encourages you to be true to who you are and to obey your thirst.

open happiness™

Tell me what you think is on offer here

If you're ready to build a movement -- based on the issues you care about, and to change the political process itself -- now's the time to get involved locally.

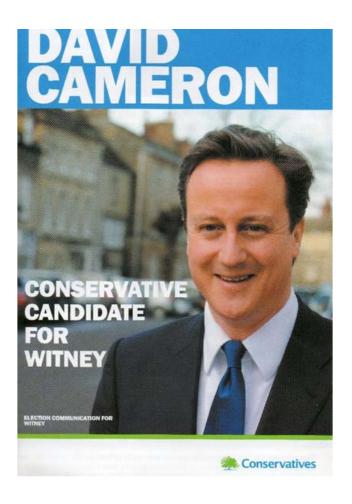
If people like you decide to take control of this campaign locally, we'll be able to win this election and do what must be done: end this war in Iraq, make sure everyone has health coverage, make our economy fairer, and rebuild America's leadership role in the world. But it all starts with changing our politics.

If you decide to own a piece of this campaign and take it to the next level locally, we will win this election. We'll also prove that mass participation at the grassroots can change the dynamic of a political system -- a system that too often leaves the people behind.



Do you think you're any different?





In the UK of people don't understand percentages. A similar proportion cannot understand sentences longer than 23 words.



To communicate with the vast majority of the population, you must use simple language, short sentences and nothing numerical or mathematical except for the very simplest of expressions.



Getting your message right using The Theory of Planned Behaviour

Conduct a survey or interviews using TPB factors to define the questions.

Analyse the results to determine what factors are most important to your audience or market.

Construct
your
message to
reflect the
factors that
are
important to
your
audience.

Getting your message right using The Theory of Planned Behaviour

A model of factors people consider in planning and executing their actions. Can explain c. 40% of behaviour.

Attitude

Your message must It should indicate influence the attitude to the behaviour

Subjective norm

that the behaviour is popular.

Moral norm

It should make the behaviour feel like a previous good things to do.

Past Experience

It should reflect experiences.

Perceived Control

Your message should encourage a sense of greater control

Situational

It should reflect the customers situation. positive

Consequences

It should set out consequences, consistent with moral norm.

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Notice how each paragraphs repeats every one of the TPB factors that are being applied.

Now look at this one again

Millions of people enjoy Sprite because of its crisp, clean taste that really quenches your thirst. But Sprite also has an honest, straightforward attitude that sets it apart from other soft drinks. Sprite encourages you to be true to who you are and to obey your thirst.

Consider factors of Theory of Planned Behaviour

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Compare and contrast

airTEXT sends SMS alerts to vulnerable individuals when air pollution is expected to be high. airTEXT users can ensure they have their medication and take appropriate action. The service is provided for free by ESA and London's 33 Councils.

Remember the last time your asthma flared up? Over 6000 people in London have decided to use airTEXT, because it gives them more control of their condition, by warning them when pollution could worsen asthma, airTEXT is the right choice because it's always conveniently with you on your mobile phone.

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Final exercise: Revise your pitch using the TPB

In the next 5 minutes:

Using the 7 factors from the Theory of Planned Behaviour, revise your pitch. Try to include as many of the TPB factors as possible.

Now make your final pitch.

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How did you get your ideas across? Yesterdays product idea scores

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My final message to you

The human race faces the greatest challenge in it's history – Climate Change. We are scientists who understand Climate Change. The rest of the human race does not.

If we want the World to make the radical changes needed to mitigate dangerous Climate Change, it is incumbent on us scientists to communicate our ideas in way that the rest of the human race and understand, and in ways that address their needs.