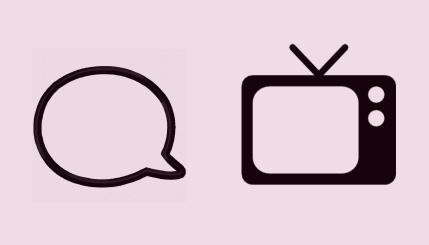
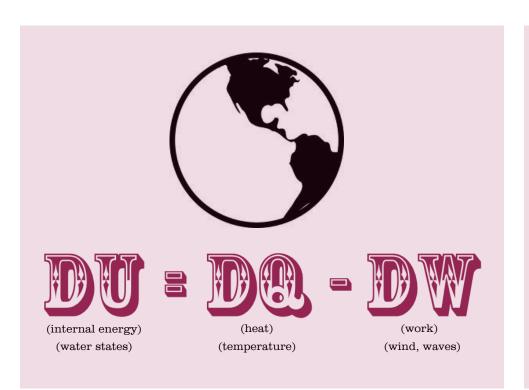


- 1. SEE SOMETHING
- 2. THINK OF A REASON WHY
- 3. FIGURE OUT A WAY TO CHECK YOUR REASON
- 4. AND?
- **5. NOW, EVERYONE GETS TO DUMP ON YOU**
- 6. REPEAT, UNTIL A CONSENSUS IS FORMED



YOU DON'T HAVE TO BE A SCIENTIST TO SEE THE MERIT IN BEING ABLE TO THINK LIKE A SCIENTIST.

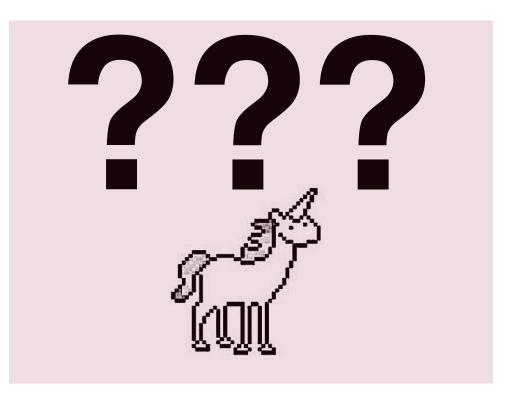




"science culture"

or

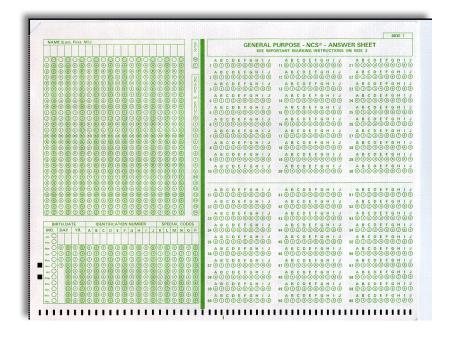
whereby one recognizes that science does not operate in isolation



US NSF 2012 statistics show that citizens generally can answer about 60% science knowledge questions, and about 30% of the science process questions (largely unchanged for the last 12 years).

According to data from a June 2014 Gallup Poll, 42% of Americans believe themselves to be fully literate on matters of avian phylogeny and development (i.e. birds developed on Day Five, because, you know... creationism).

The most recent national *Climate Change in the American Mind* survey (October 2015) found that about 1 in 6 Americans think that global warming is not happening.



TRUE OR FALSE?

Recently a paper was peer reviewed and accepted at the *International Journal of Advanced Computer Technology*. The paper contained used word "f**king" over 500 times.

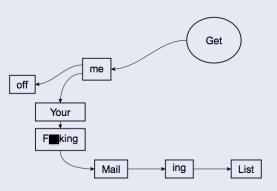
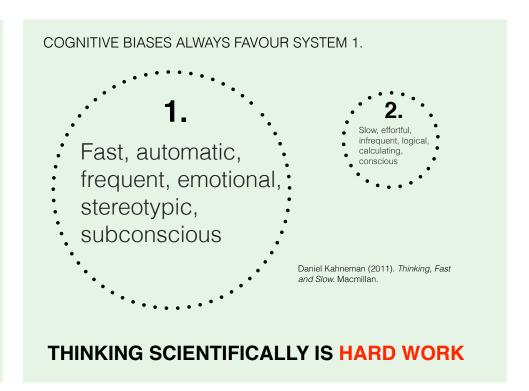


Figure 1: Get me off your faking mailing list.

TRUE OR FALSE?

"Jedi Mind Trick" is a term that has been academically recognized in psychological research on *coercion persuasion*.





THE ANCHORING EFFECT

THE SLEEPER EFFECT

FEAR (IS COMPLICATED), LOSS AVERSION

THE FOOT IN THE DOOR EFFECT

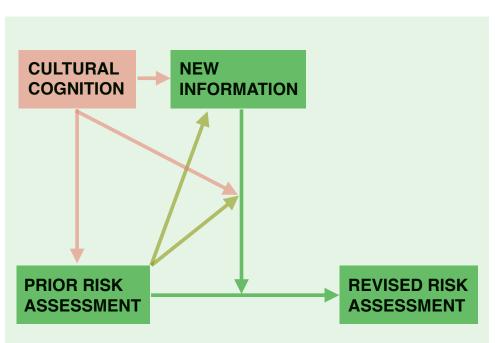
AVAILABILITY HEURISTIC, FRAMING

DESCRIPTIVE NORMS (SOCIAL NORMS)

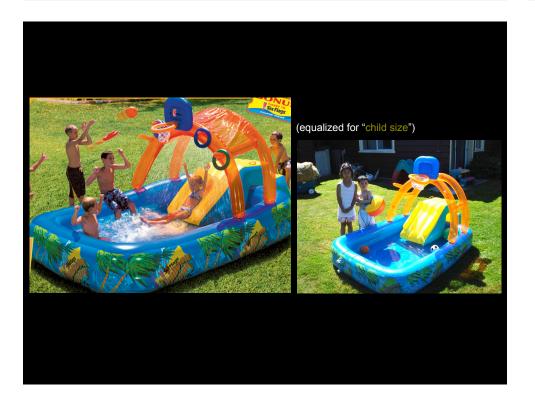
TRUE OR FALSE?

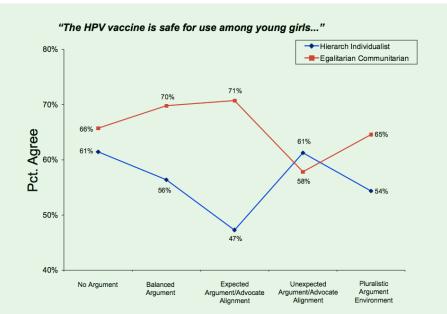
US Research has shown that the more highly educated a Republican is, the more likely they will disagree with the scientific consensus on anthropogenic climate change.

Nice list over at http://psysociety.wordpress.com/2013/02/01/persuading-the-unpersuadable-pre-session-post/



Adapted from Dan Kahan, <u>Cultural Cognition as a Conception of the Cultural Theory of Risk</u>, in Handbook of Risk Theory: Epistemology, Decision Theory, Ethics and Social Implications of Risk 725-760 (eds. Hillerbrand, R., Sandin, P., Roeser, S. & Peterson, M.) (Springer London, Limited, 2012)





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