

The Landscape of Science Translation

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Connect: Engaging Stakeholders





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What one knows





Whom one knows







(Katz, 1957)

Connect: Evaluating Capacity



Do we have (or can we get) the

data we need?

Is everybody talking to each other?



Are we leveraging opportunities at every touch point?





Connect: Evaluating Capacity









What's the alternative?







Building Blocks of Behavior Change

Audience

- Demographics
- Psychographics
- Context
- Culture

Behavior

- Type
- Number
- Frequency

Content

- Strategy
- Message

Delivery

- Medium
- Messenger
- Timing

Evaluation

- Metrics
- Methods





Does it Work?



HOW Does it Work?









Target: Audience / Behavior









Target: Case Study

- Site tours
- Focus groups
- Employee survey















Design





Design: Content / Delivery



- Strategy
- Message

Delivery

- Who (Messenger)
- How (Medium)
- Where (Location)
- When (Timing)





Design: Methods









www.pretotyping.org

Design: Case Study





Design: Case Study







Design: Case Study



Make sure that bulbs, fixtures, lamps, and reflective surfaces are **cleaned** regularly.

By removing dust and grease, you can increase the output of your lights. Without maintenance, light levels can fall by more than 50% in 2-3 years.

A basic maintenance program can reduce lighting electricity costs **by up to 15%**.





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Apply: Evaluation



Apply: Case Study

Goal 1	Employee engagement	 Qualitative employee feedback Enrollment Data Campaign Feedback Survey
Goal 2	 Increases in knowledge Changes in attitude Sustainable behavior 	 Pre-Post Tests (1 week pre, 1-month post) Weekly observational walkthroughs
Goal 3	Decrease in resource use	 Meter and purchasing data





Five Psychological Strategies for Science Communication

1 Establish relevance to increase involvement

2 Elicit emotion to create receptivity

3 **Evoke morals** to create an imperative

4

Educate wisely to increase awareness

5 Empower audiences to engage behavior

Establish relevance to increase involvement

Psychological Distance



Information that is HERE and NOW given to ME with HIGH CERTAINTY reduces distance.

(Trope & Liberman, 2010)

Elicit emotion to create receptivity



http://guide.cred.columbia.edu/

Evoke morals to create an imperative



Moral Foundations Theory, Haidt et al.

Educate wisely to direct attention



About how fast were the cars going when they smashed into each other?

Loftus & Palmer, 1974

Empower audiences to engage behavior



Can I do it?

Will it matter?



If you walk away with anything, let it be this...

There are benefits to simplicity...





Precision

Significance

... but it's not always that simple





... and Science Translation is a SCIENCE!

echange





Thank you!

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ABOUT SEE CHANGE

See Change is a research institute devoted to studying and shaping behavior change programs for the greater good. Backed by theory, tested with data, and designed with care, we develop, implement, and evaluate efforts to solve issues that matter to us the most. We specialize in research, strategy, implementation & evaluation of behavioral energy and sustainability programs.

Research

Good research is vital to program success. From surveys to experiments and all points in between, we think asking the right questions is the key to finding the right answers.

- · Experimental/quasi-experimental design
- · Literature reviews and content analyses
- Surveys, interviews, and focus groups
- Ethnographic fieldwork

Implementation

We love to get our hands dirty and combine social science insights with innovative design to develop and implement the following types of programs:

- Video/web content (sponsored, organic)
- Communications campaigns
- Community outreach
- Social Engagement Optimization (SEO)



Strategy

What is your theory of change? Who are the key stakeholders for this project and how can you address their needs? Strategy is key to successful implementation and includes:

- Stakeholder analysis
- Market analysis
- Logic models
- Program design

Evaluation

Understanding whether, how, and for whom a program works is vital to both proving and improving upon its efficacy. As such, our evaluation services include:

- Field testing
- · Usability Testing
- Measurement & Verification
- Instrument development / testing



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