

# Designing the Evaluation Plan

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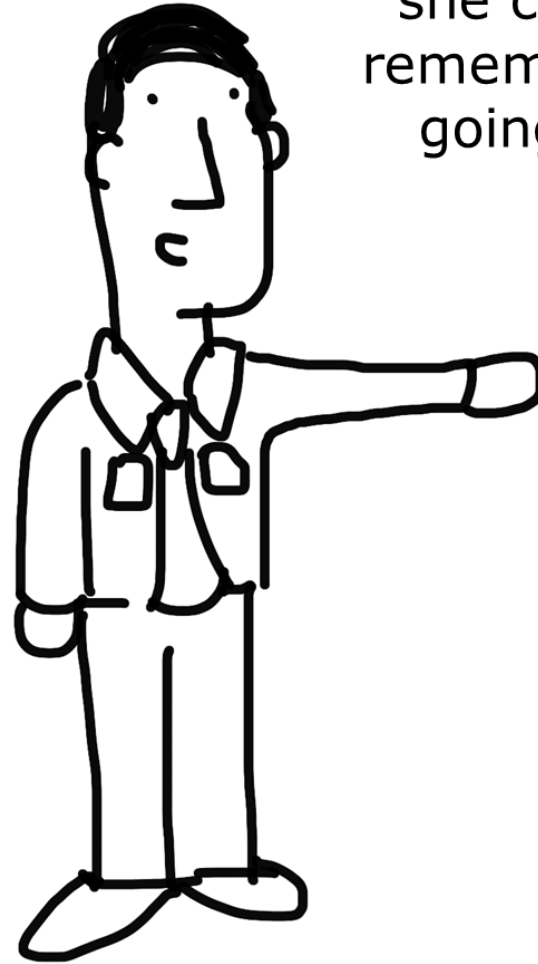
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National Science Foundation  
WHERE DISCOVERIES BEGIN

# Our agenda

- 1.What is it?
- 2.When to start?
- 3.Program Mapping
- 4.Stakeholders
- 5.Evaluation Questions
- 6.Sharing results



This is our evaluator. Every time she collects data it will help us remember what we said we were going to do in the first place.



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# What is program evaluation?

*A systematic way for collecting, analyzing, and using information to answer questions about projects and programs.*

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I can't tell you  
how valuable  
your program is



Researcher

I can



Evaluator

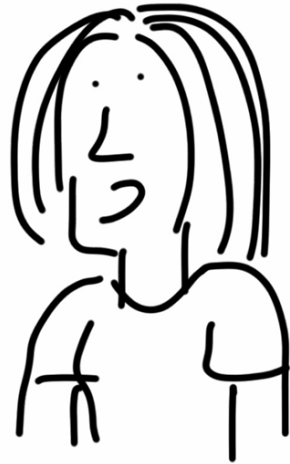
# When is the **right time** to get **started** with an **evaluation**?

What kind of evaluation  
did you need?



Our 3 year project is coming  
to an end and were told we  
needed an evaluation.

What kind is that?



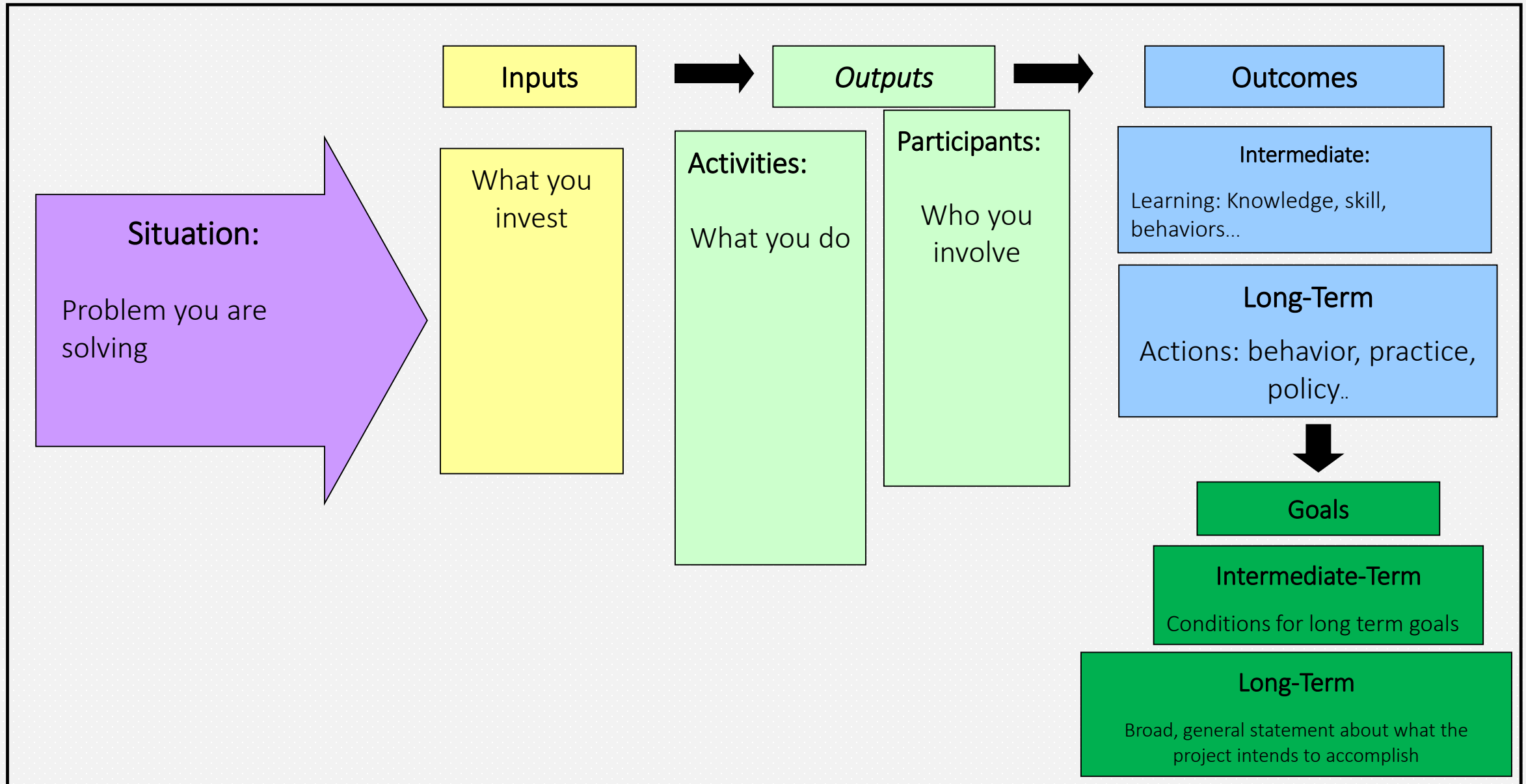
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*Begin with the end in mind*

Consider:

- What is it that we want to accomplish?
- What steps will we take and how and when will we measure success?

# One way to map your program is with a **Logic Model**



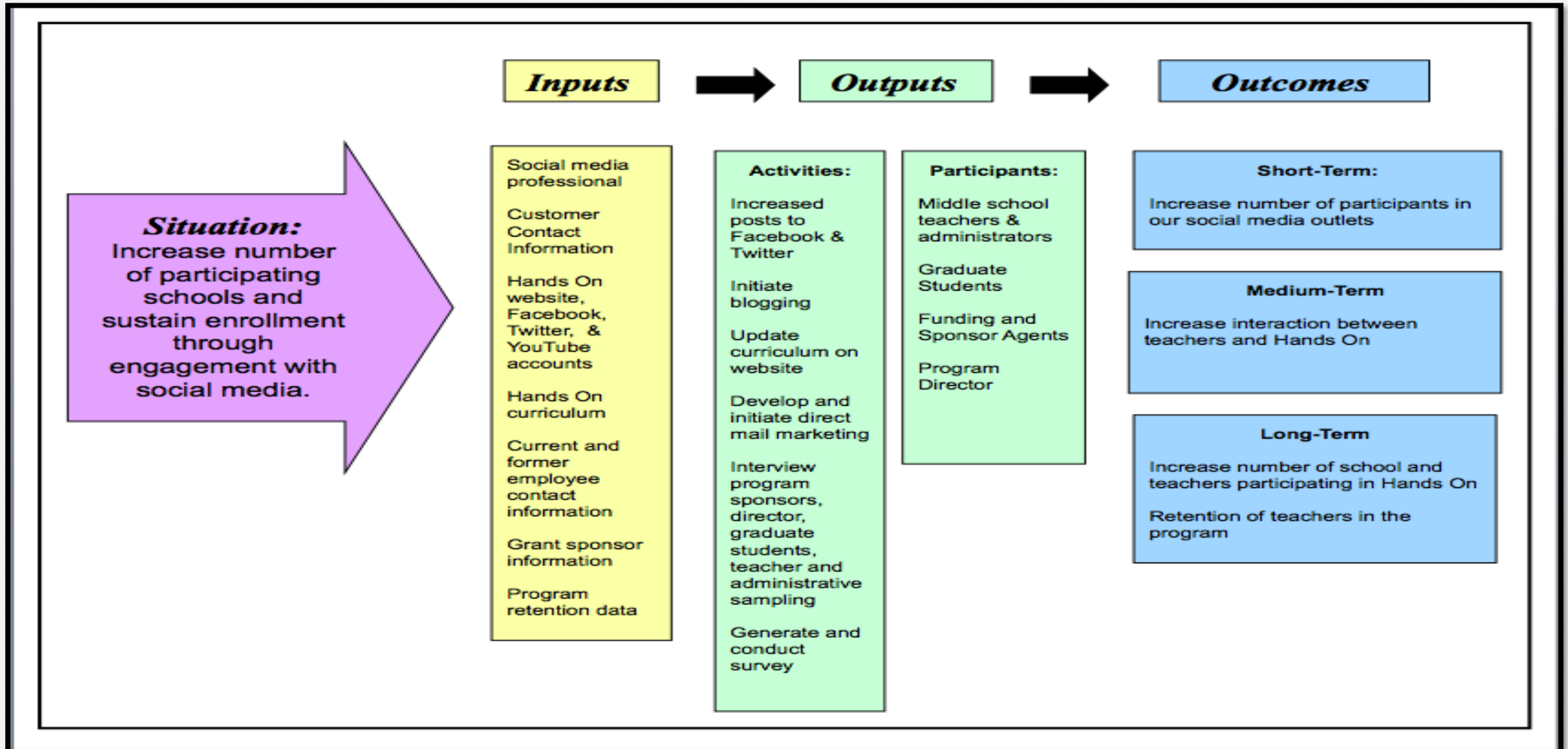
# An example project

# HANDS ON

Real-World  
Lessons for  
Middle School  
Classrooms



# Logic Model for Hands On Classrooms



# Pros and Cons of Logic Models

## Pros:

- ✓ Links outcomes and activities to explain how and why desired change is expected to happen.
- ✓ Requires justifications at each step (evidence)  
“Causal Model”

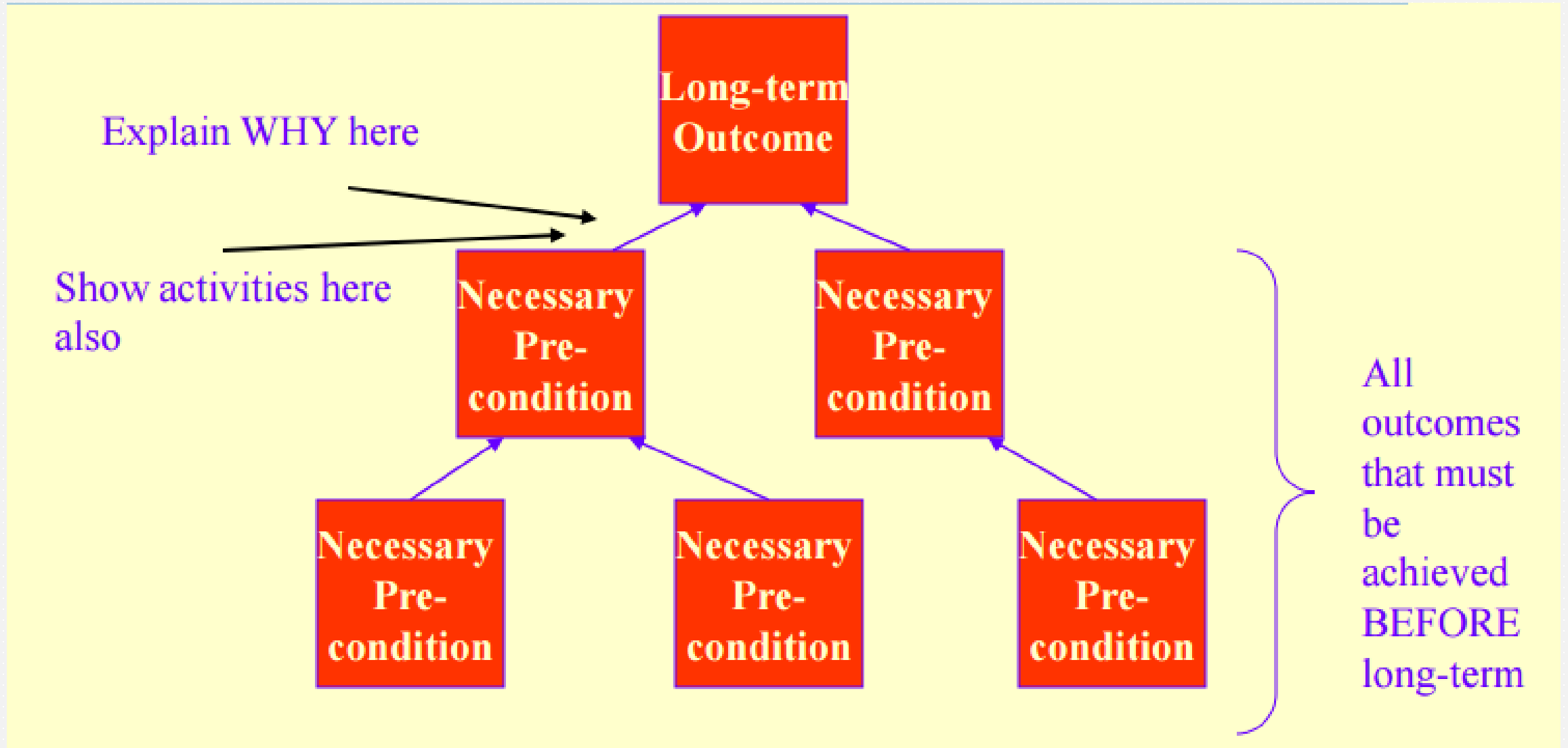
## Cons:

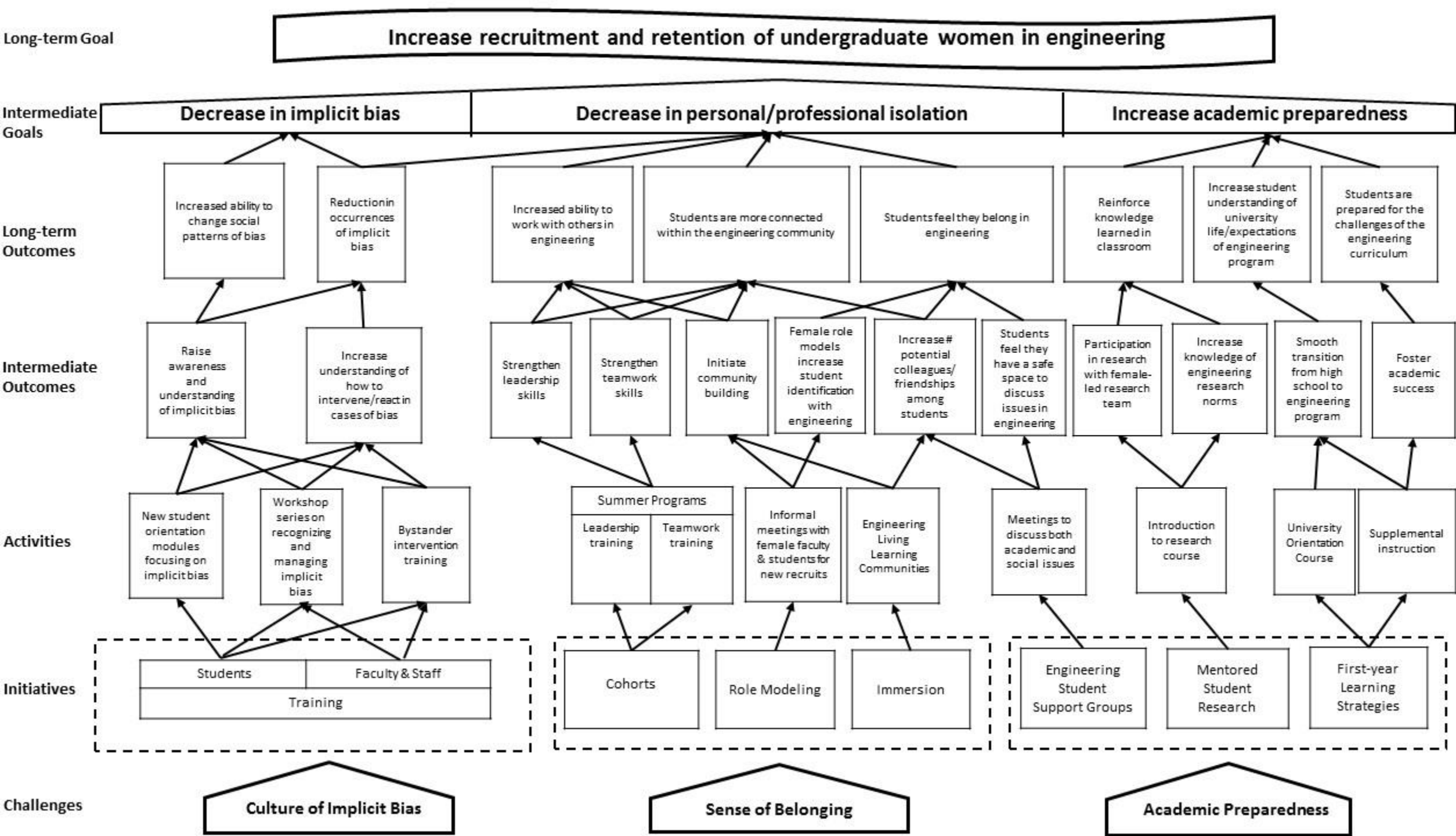
- Doesn't always identify indicators or
- evidence to measure whether outcomes are met.





# Another way to map a project is with a Theory of Change (TOC) Model





# Increase online engagement and participation in Hands On Classrooms Program

Long-term Goals

Intermediate Goals

Teachers become regulars and user ship increases

Teachers continue to use curriculum

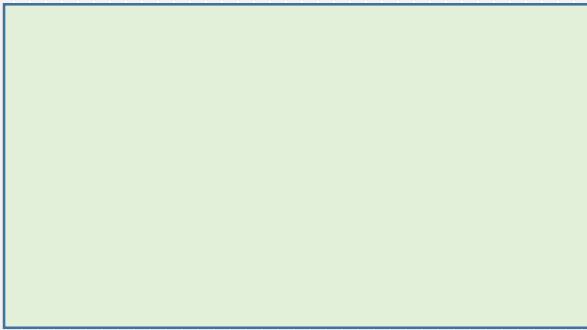
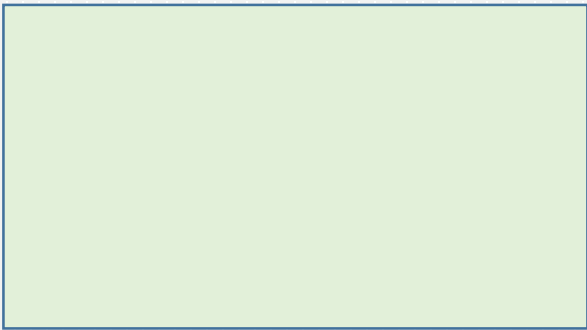


Long-term Outcomes

Intermediate Outcomes

Followers increase

More likes, shares, and comments on SM platforms



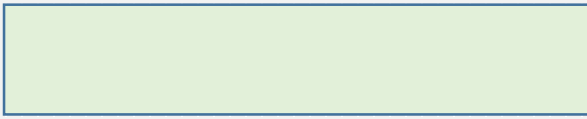
Activities

Daily posts



Initiatives

Roll- out SM platforms



Challenges

Continued engagement for T



# Pros and Cons of theory of change (TOC) models

## Pros:

- ✓ Graphically illustrates program components.
- ✓ Helps stakeholders clearly identify components.

## Cons:

- Time intensive to make
- Have a shorter history than logic models- less known”



# Who are your Stakeholders?

Ok, so that's eight votes for engaging stakeholders  
and only one against



Identify stakeholders to  
maximize your impact,  
sustainability and growth.

This doesn't  
apply to my work.



I can't  
use this.



Ewwwwwww,  
yuckers.



# Mapping Stakeholders



# Mapping Stakeholders in our example project

Importance in the project	<p>Keep Satisfied</p> <p>Funding agency</p> <p>Foundation support</p>	<p>Manage Closely</p> <p>Teachers using the social media platforms</p> <p>Hands On staff</p> <p>Graduate students</p>
	<p>Invest Minimum Effort</p> <p>Materials suppliers</p> <p>Box packers and shippers</p>	<p>Keep Informed</p> <p>Program managers</p> <p>Graduate student mentors</p> <p>Website designers</p>
	Involvement in the project	

# Evaluation Questions

Wait, how will more Twitter followers help us reach our target outcomes?



Why don't we just let the evaluators figure that one out.



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# Evaluation vs. Research

This **research** is really going to help move our field forward.



This **evaluation** is really going to help our program become more effective.



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What is the relationship between research and evaluation?

Why is it important to define?

# Evaluation Questions for Hands On Classrooms example

Stakeholders	Evaluation Questions
Hands On Teachers	<p>To what extent do teachers participate with Hands On Facebook page?</p> <p>Do they find the social media posts useful?</p> <p>Which platforms do they use most?</p>
Graduate Student Hands On Videos	<p>Did graduate students receive appropriate information and training regarding their roles in the project?</p> <p>To what extent did Hands On graduate students become involved with planning videos?</p>

# Sharing your results: Understanding the content.

## Who:

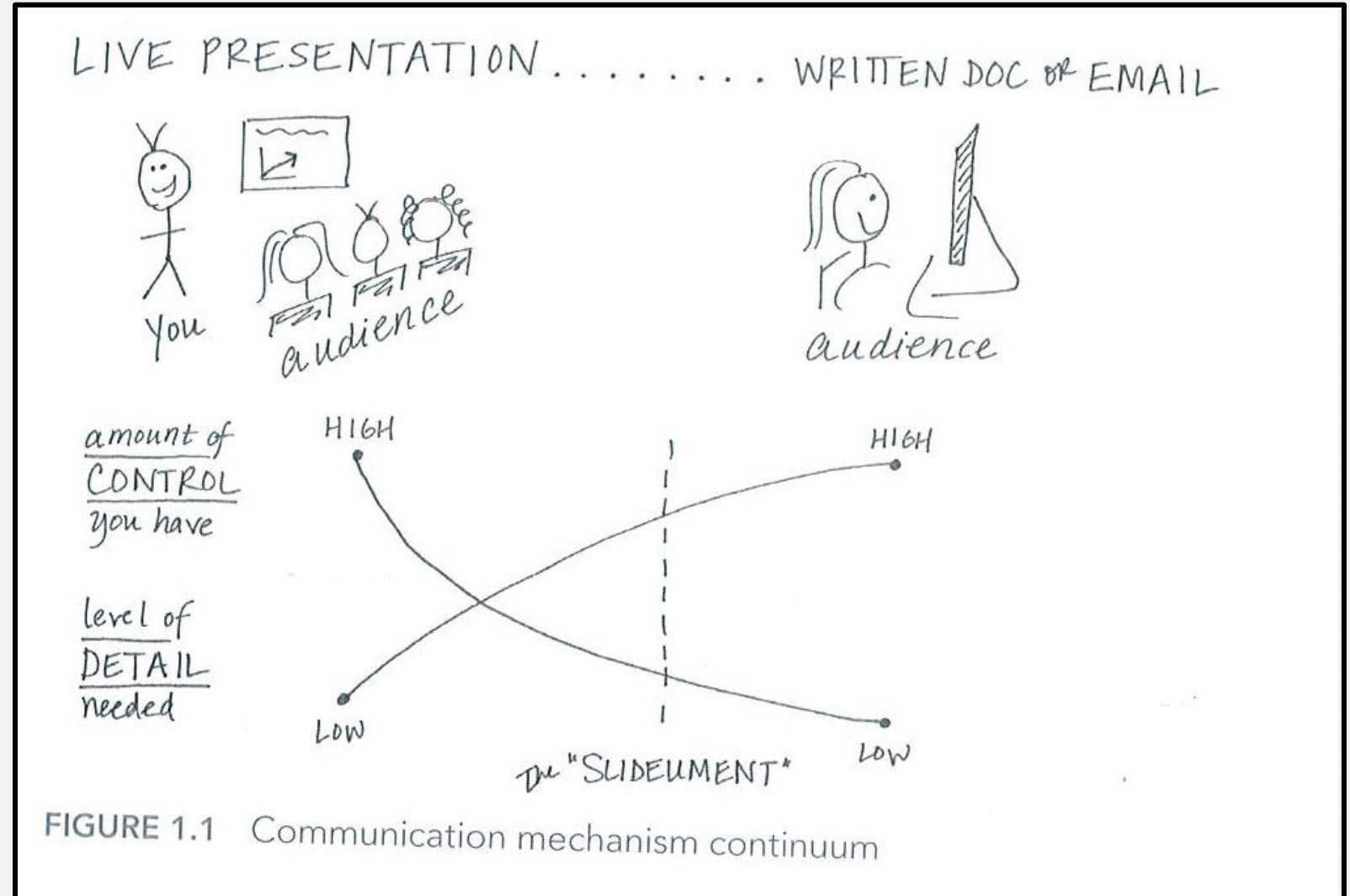
- Audience
- You

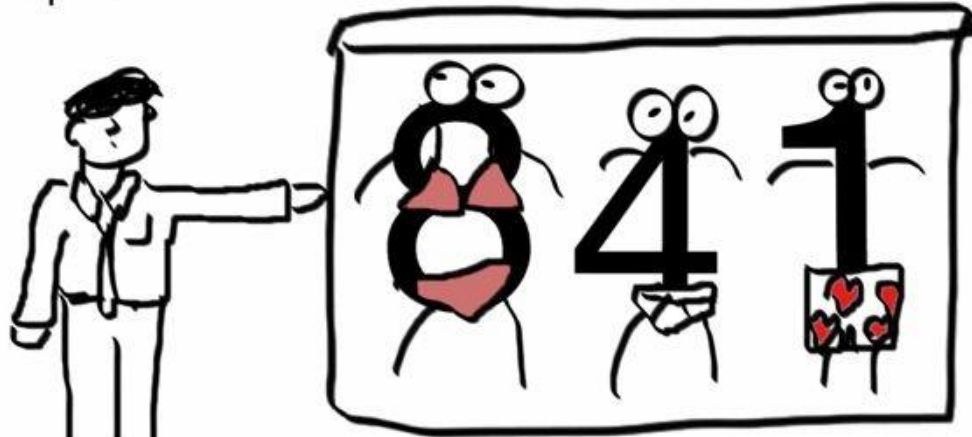
## What:

- Action
- Mechanism
- Tone

## So what?

- Story





When we said we wanted you to visualize the data, this isn't what we meant



We used to have only one or two ugly visuals in every report.



But then we heard how important visuals can be.



So now we have an ugly visual on every page.



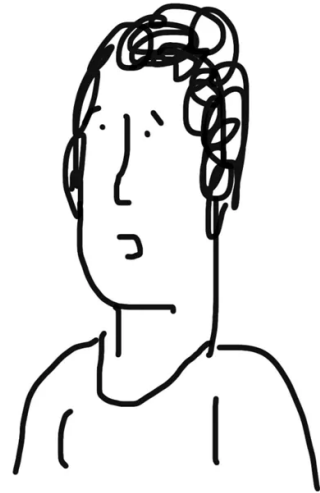
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Visualize your data meaningfully

I'm not a visual person.



How about your audience?



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I'm not a visual person.

So I will deliver my report in song,  
hit it boys.



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# Sharing your results

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# Evaluation Resources



American Evaluation Association  
<http://www.eval.org/>



Better Evaluation  
<http://betterevaluation.org/>

National  
Science  
Foundation  
<https://www.nsf.gov>



<http://www.eval-ate.org/>

EvaluATE NSF# 1600992.



University of Wisconsin Extension  
<http://fyi.uwex.edu/programdevelopment/>



Hey guys,  
did you read this part?

It basically says we  
need an evaluation to  
keep getting money.

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