

Overview

Program Evaluation Standards

Kirkpatrick Model for evaluation

Data collection

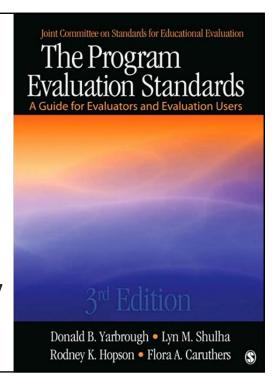
Applying Kirkpatrick

🜠 Data quality

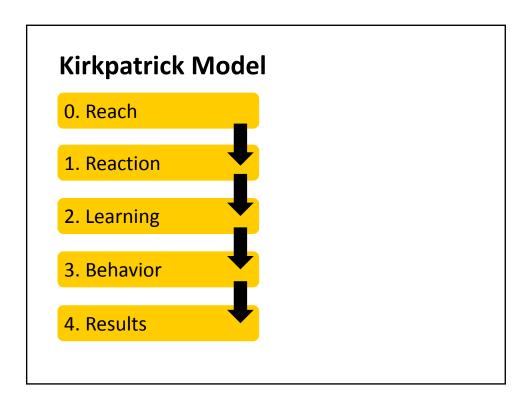
Data Interpretation

Evaluation standards

Utility
Feasibility
Propriety
Accuracy
Accountability



Kirkpatrick Model for evaluation 234 5 6 7 8 9



Level 0: Reach

The extent to which the intended audience was reached and involved



Level 0: Reach

"How well does the proposed activity broaden the participation of underrepresented groups (e.g., gender, ethnicity, disability, geographic, etc.)?"

NSF's BROADER IMPACTS review criterion



Level 1: Reaction

The extent to which participants react favorably to activities and products



Level 1: Reaction

Satisfaction

Engagement

Relevance





Level 2: Learning

The extent to which participants acquire the intended knowledge, skills, attitudes



Level 2: Learning

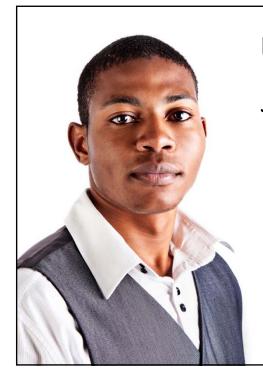
The extent to which participants acquire the intended knowledge, skills, attitudes, confidence, or commitment



Level 2: Learning

Knowledge

"I know it."



Skill
"I can do it now."



Attitude
"I believe
this is
worthwhile."



Level 2: Learning

Confidence

"I think I can do it."



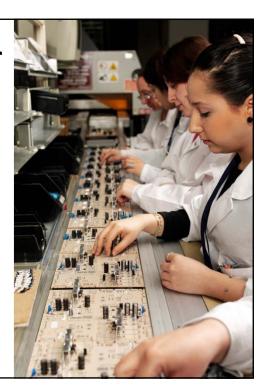
Level 2: Learning

Commitment

"I intend
to do it."

Level 3: Behavior

The extent to which participants apply what they learned



Level 3: Behavior

The extent to which participants adopt intended behaviors

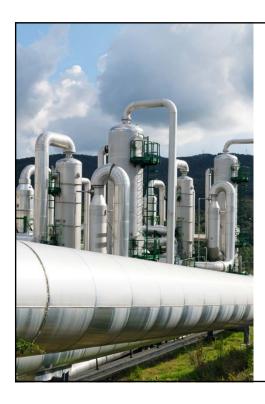


Level 3: Behavior

Critical behaviors

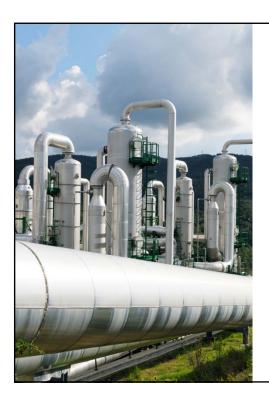
key behaviors that need to be performed to bring about desired outcomes





Level 4: Results

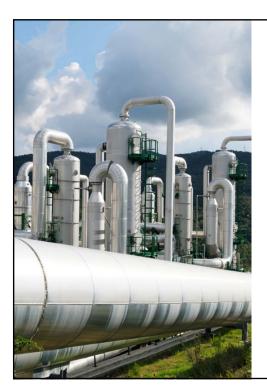
The extent to which intended outcomes occur



Level 4: Results

Targeted outcomes

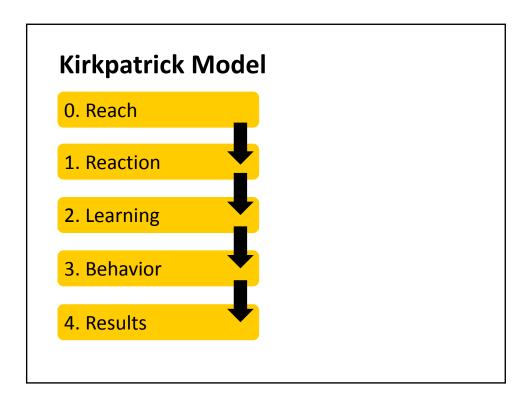
related to high-level goals/project purpose

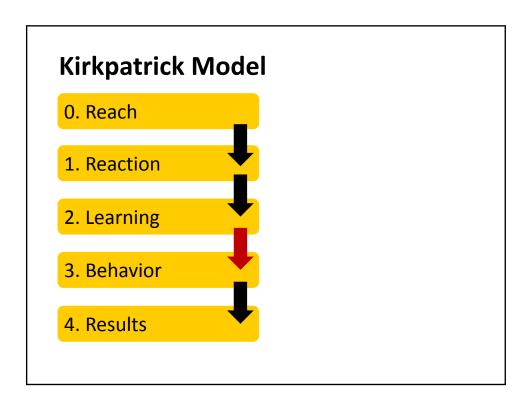


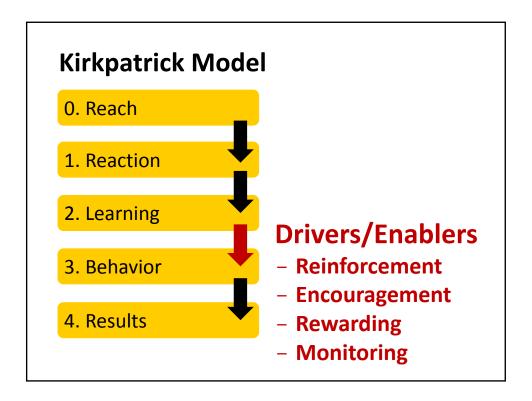
Level 4: Results

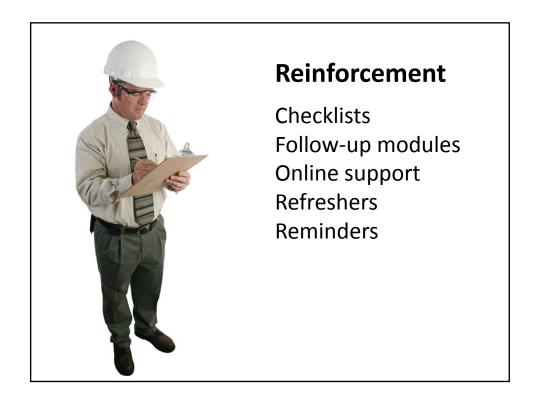
Targeted outcomes

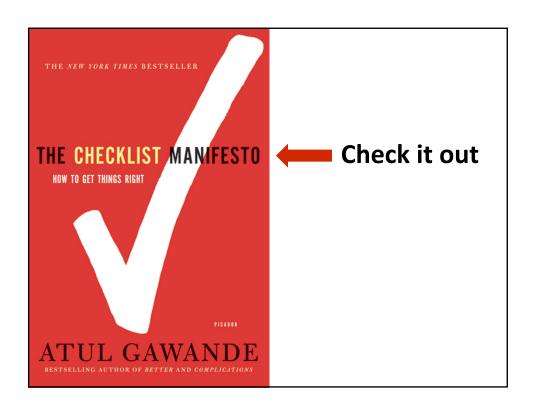
What is going to be different in advanced technological education— or the workforce— because of your grant?













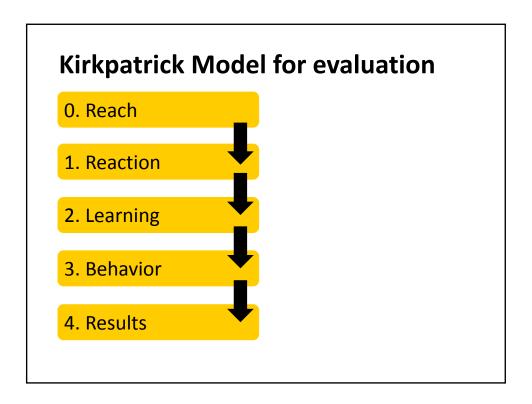
Rewards

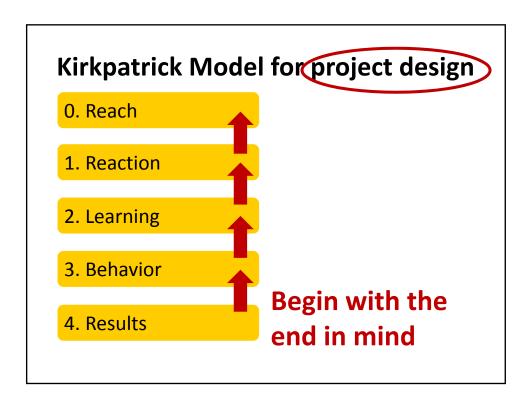
Recognition Awards



Monitoring

Logs Surveys Periodic check-ins





Data (2003 4 5 6 7 8 9 10 11 12 13 14 15) collection Distribution

Observation Surveys **Interviews** Focus groups



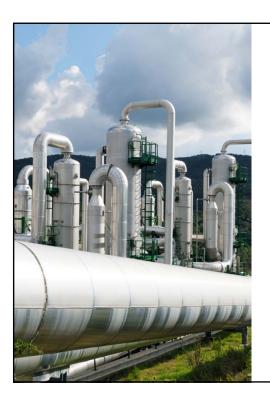


Survey Knowledge test **Demonstration**

Measuring Behavior

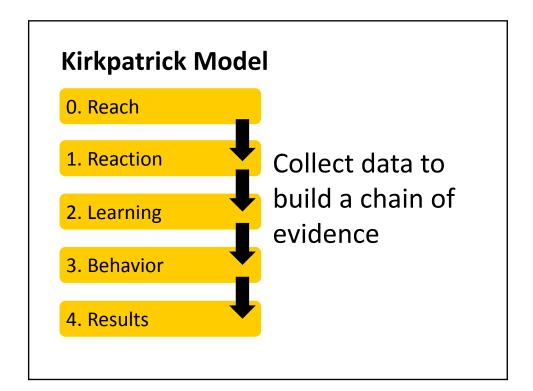
Interviews Observation Surveys Third-party feedback





Measuring Results

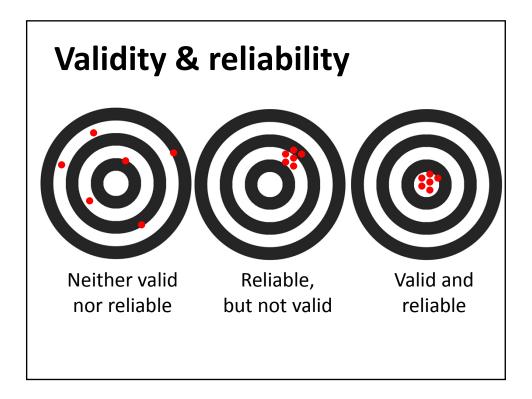
Institutional data
Employment
data
Employer
feedback











Ask good questions

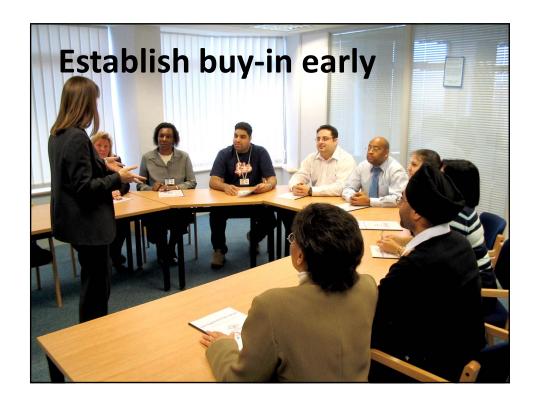
To what extent do you follow the MyPyramid Guidelines when making nutritional decisions for your family?

I buy healthy food for my children.

- O Always
- O Usually
- O Sometimes
- O Never

In a typical 7-day week, how many days do your children consume the following types of foods?

- __ fresh fruit
- __ fresh vegetables
- ___ whole grain breads or cereals
- ___ milk, yogurt, or cheese
- fish
- __ sugar-sweetened beverages





Use registration forms to collect baseline data

