

Coaching PDSA Cycles

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Objectives

- Understand how PDSAs fit into the larger improvement science context
- Be able to assess the learning from a PDSA
- Be able to determine next steps in building a team's capacity to run PDSAs





PDSA Expertise Development



- (I) Create a TRIAD with at least I person that currently coaches
- (2) Introduce yourself (BRIEFLY) to your group
 - One thing you hope you learn today





Agenda

- Introduction to PDSAs in an improvement context
- Practice PDSA coaching
 - Assessing PDSAs
 - Deciding where to focus
 - Setting up a coaching conversation
- Tips and Tricks







Forms of Disciplined Inquiry in Education









Action Research

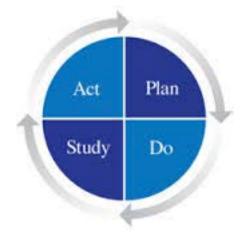


Datawise

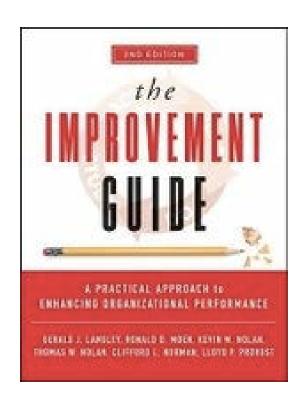
Organize for Collaborative



PLC Cycle



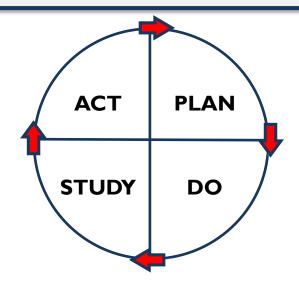
PDSA Cycle



What specifically are we trying to accomplish?

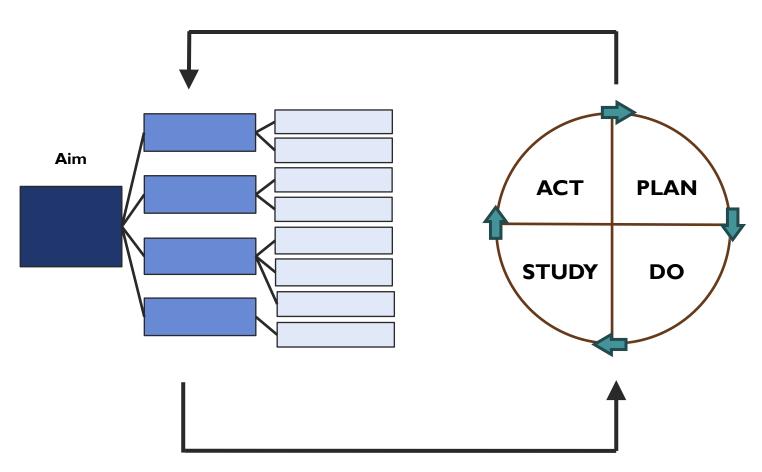
What change might we make and why?

How will we know that a change is an improvement?



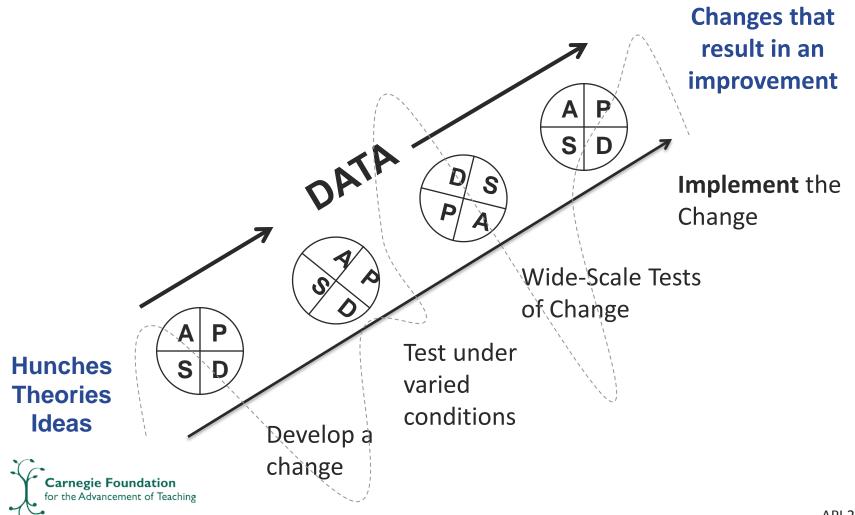
The Model for Improvement
Associates for Process Improvement

Theory Informs Testing and in Turn Testing Refines Theory





Learning Your Way into Improvement



Inquiry in Improvement Science

- Prediction based test of change
- The improvement aim disciplines the focus of inquiry
- Paired with process and outcome data (as well as other improvement tools)
- Flexible methodology that can be applied to varied practices and used at different sizes
- Results in common evidence based practices (and theory of improvement)



Be problemfocused and user-centered





Organize as networks



CORE PRINCIPLES OF

IMPROVEMENT



Attend to variability



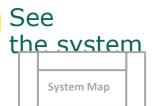
Learn through disciplined inquiry



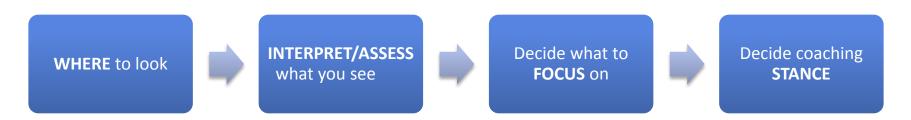








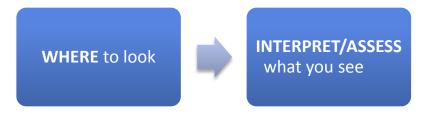




What's important?

What's going well? What's not?

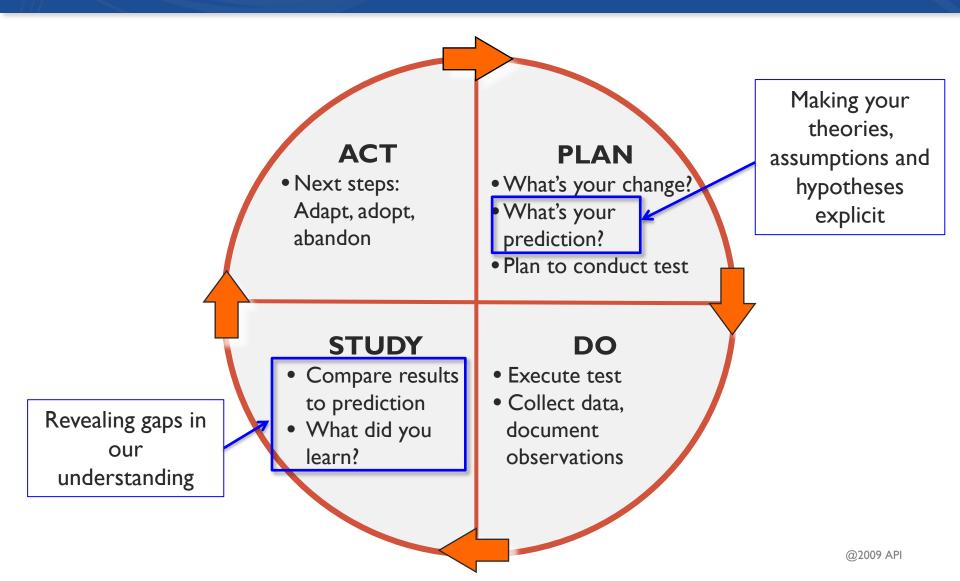
What can you build on? What would push work forward? What stance is most appropriate?

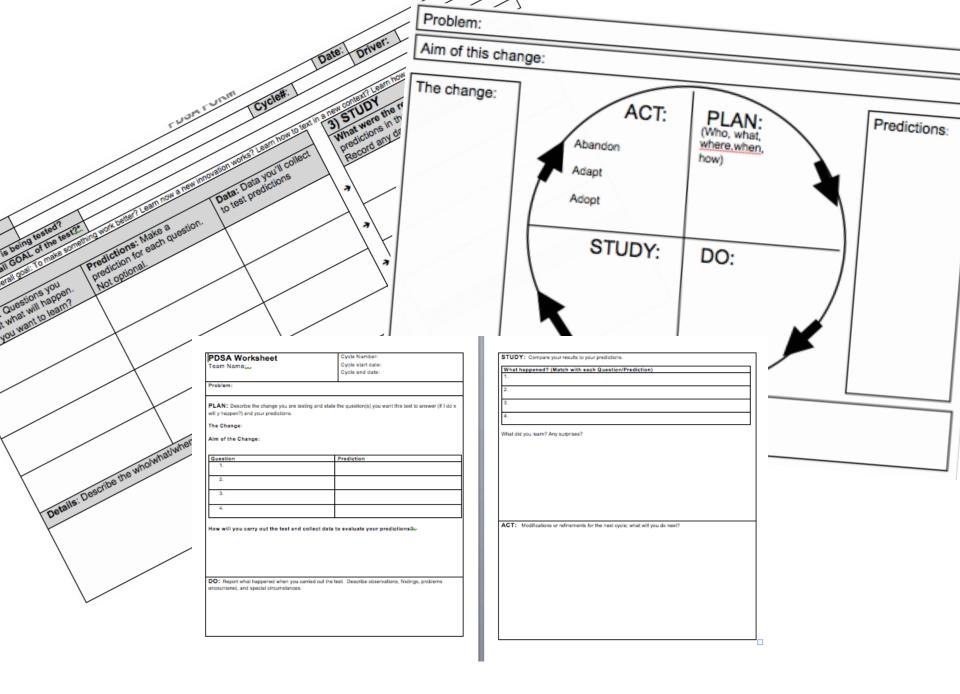


What's important?

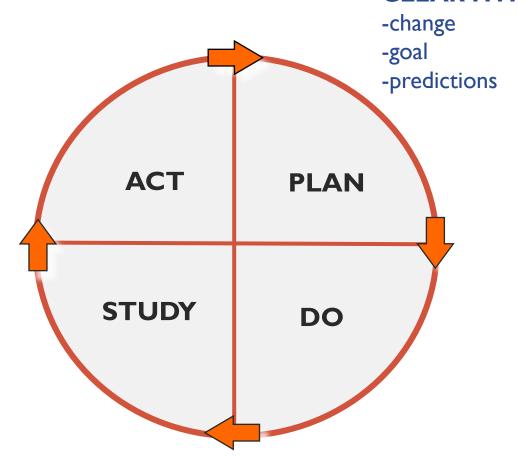
What's going well? What's not?

Articulating and Testing Hypotheses





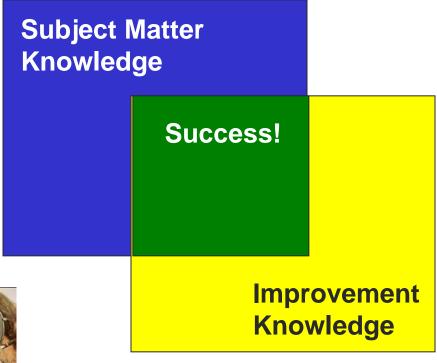
ARTICULATION OF A CLEAR HYPOTHESIS



Subject Matter vs. Improvement

Subject Matter Knowledge:

Research and professional knowledge about the content of what you are improving





3

Improvement
Knowledge: The
interaction of the
theories of systems,
variation, knowledge,
and psychology.

REVISE INITIAL HYPOTHESIS

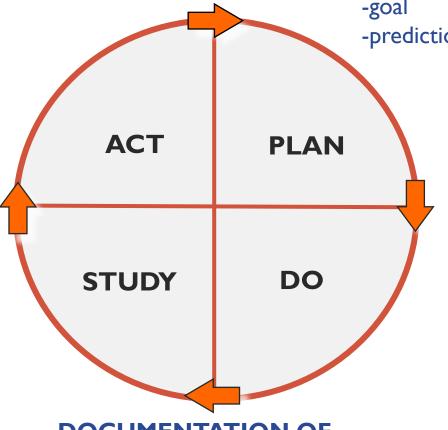
-New learning and theory refinement -Next steps

ARTICULATION OF A CLEAR HYPOTHESIS

- -change
- -goal
- -predictions

DESIGN OF THE EXPERIMENT

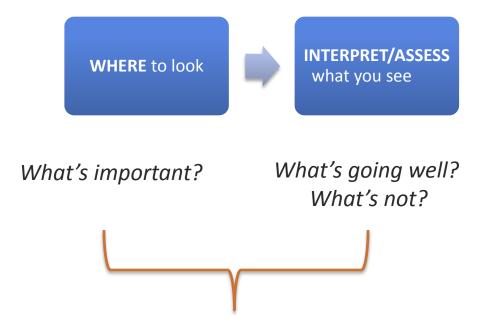
- -Scale of test
- -Data collection



DOCUMENTATION OF LEARNING

- -Carry out
- -Record surprises
- -Compare predictions to what happened





- (1) Use the PDSA look-fors to assess two PDSAs
- 2 Compare with your triad



What's important?

What's going well? What's not?

What can you build on? What would push work forward?

Level of Engagement

DEFIANT

PASSIVE / COMPLIANT

ENGAGED /
CURIOUS

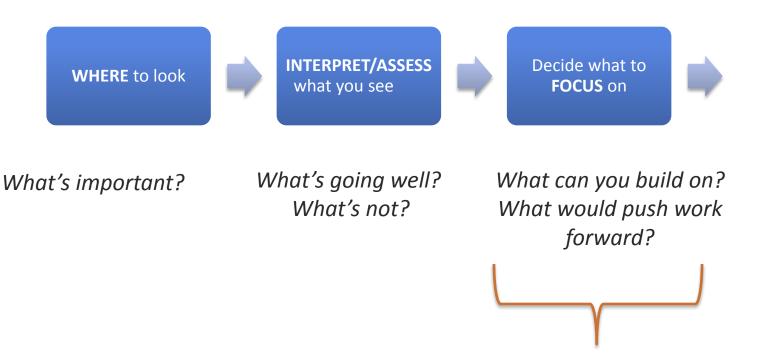
ACTIVE / ENTHUSIASTIC



Developmental Trajectory

NOVICE COMPETENT EXPERT





- 1 Choose ONE PDSA to work with as a triad
- (2) Individually determine:
 - One asset you would build on
 - One specific area in which you would focus
- 3 Share your rationale with your triad



Expertise Development

NOVICE COMPETENT EXPERT

Personally meaningful learning!

Predictions

Change ideas

Rhythm (execution)

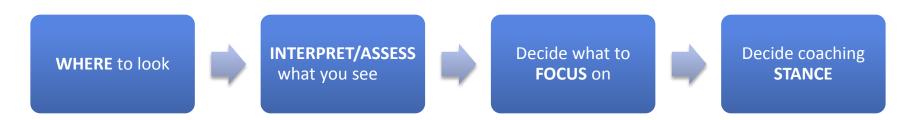
Quality change ideas

Analysis

Tests that build

Efficiency of testing





What's important?

What's going well? What's not?

What would push work forward?

What stance is most appropriate?

Stances





What's important?

What's going well? What's not?

What would push work forward?

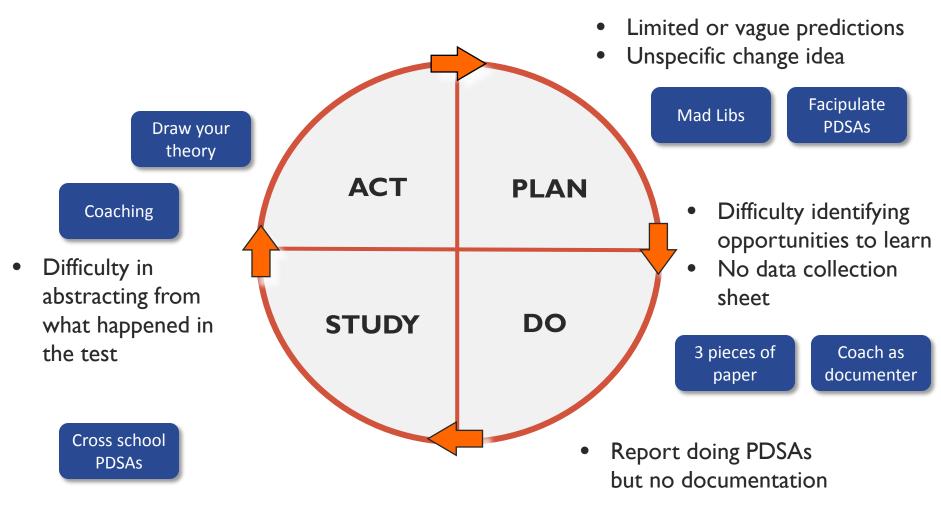
What stance is most appropriate?



You have a 30 minute conversation coming up with the team. You want to get to the next PDSA.

- 1 How would you structure the conversation?
- 2 What stance(s) would you use in each part? (Identify and possibly roll play specific questions.)

Top 10 Common Breakdowns



- Not strategic in testing
- Learning that doesn't "travel"
- No routine for learning
- Social settings that don't support sense-making



