

Kata Overview Webinar

Invest NI OPEX Team

Agenda

- An alternative way to look at business challenges
- Kata definitions
- Why do problems and obstacles keep coming back
- Could a different approach work scientific thinking?
- Phases of the improvement and coaching kata
- Step 1 4 Improvement kata
- Coaching kata
- Summary Improvement Kata Mind-set
- Invest NI OPEX Solutions







An alternative way to look at **Business Challenges**





Kata Definitions

The Improvement Kata (IK):

A practical four-step model of scientific of thinking and acting, for achieving challenging goals.

*** The Learner:**

Could be Team Leader, Supervisor or Manager

* The Coaching Kata (CK):

Is a pattern for teaching the Improvement Kata pattern of thinking and acting.

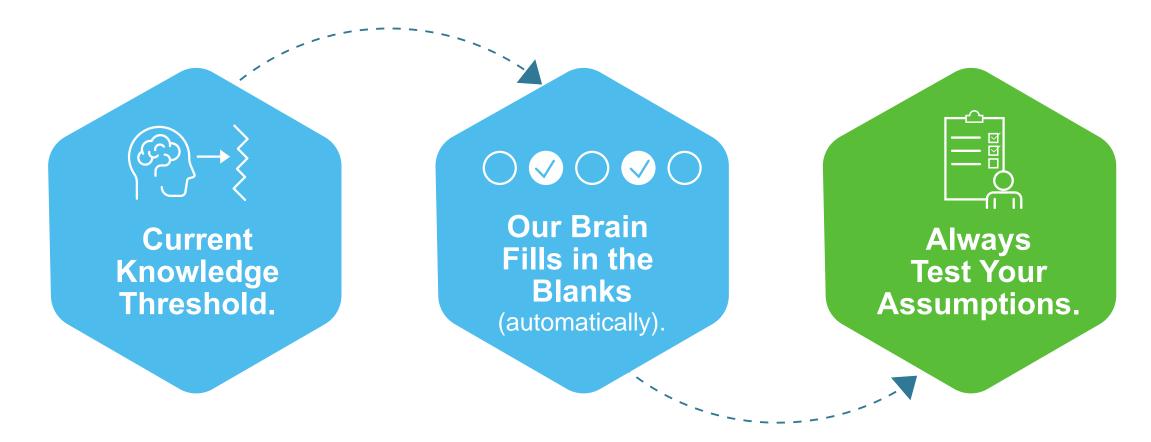
* The Coach:

Usually someone who has direct reports to coach





Why do Problems & Obstacles Come Back?







Could a Different Approach Work

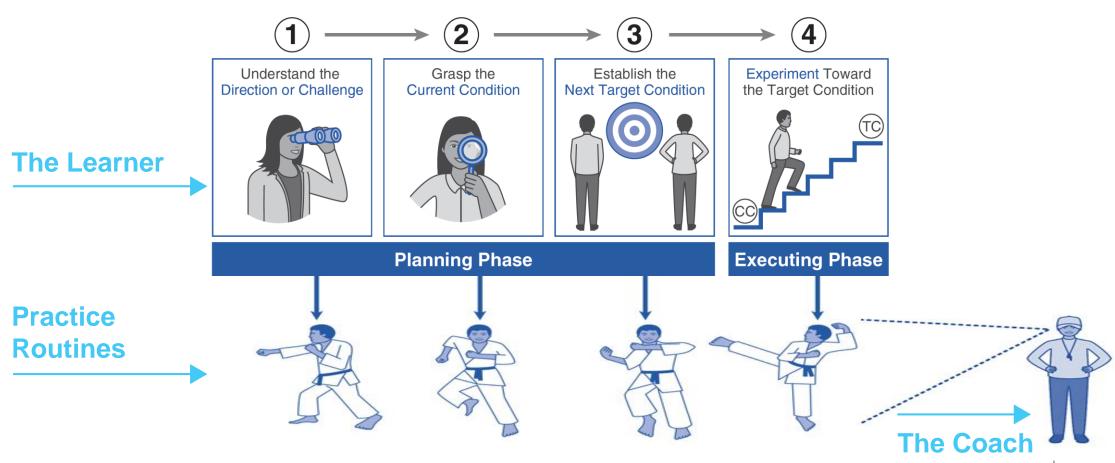
– Scientific Thinking?







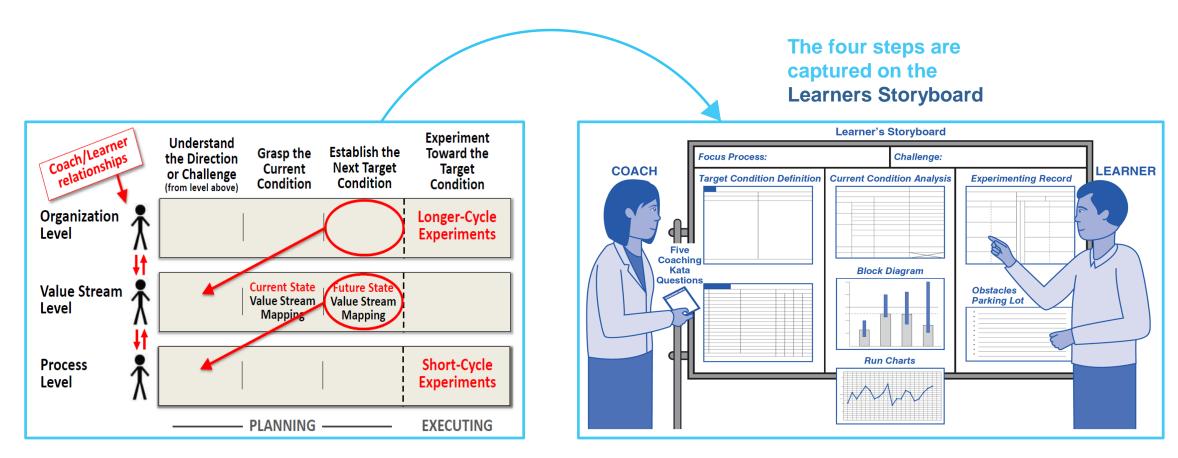
Phases of the Improvement and Coaching Kata







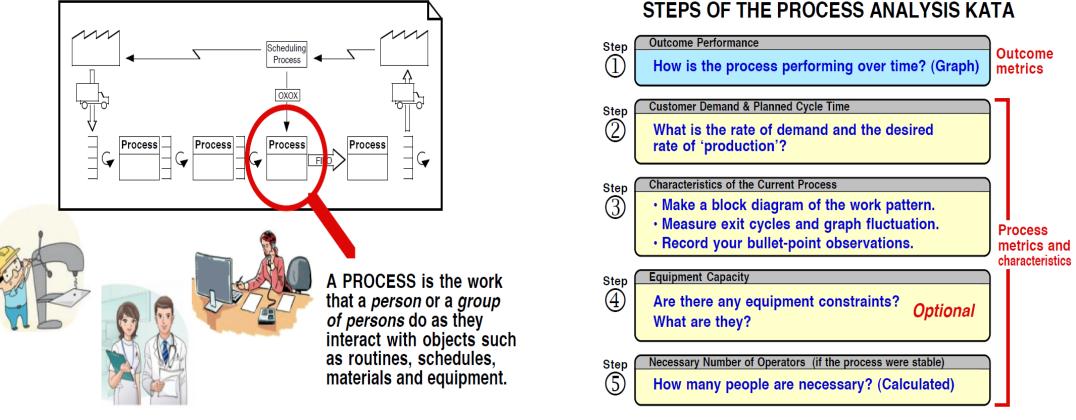
Step 1. Understand the Direction of Challenge







Step 2. Grasp the Current Condition



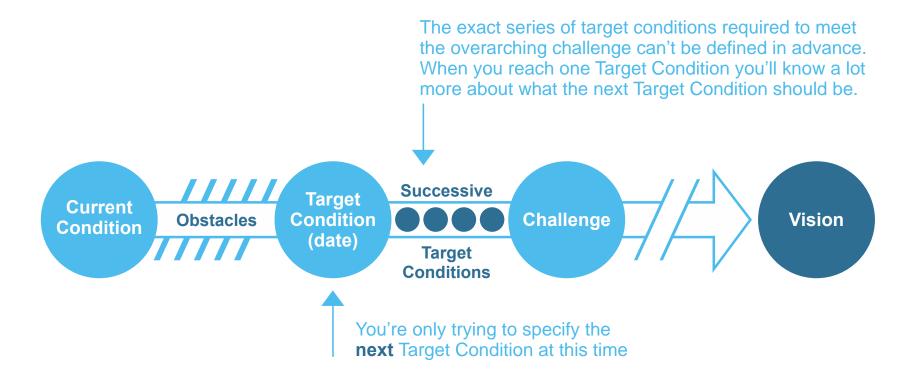




COVID-19

RECOVERY

Step 3. Establish the Next Target Condition



Three Elements of a Good Next Target Condition

- 1. Achieve by Date
- 2. Desired Outcome Score
- 3. Desired Operating Pattern



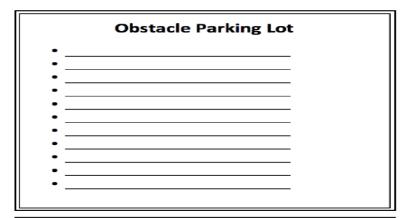


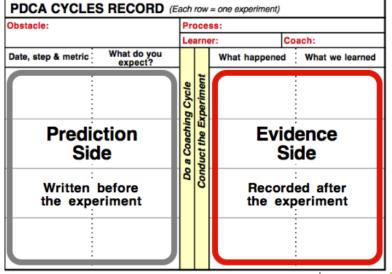
Source: Mike Rother

Step 4.

Experiment Towards the Next Target Condition

- Focus on removing the first obstacle now!
- Capture your predictions and then your results from your experiment
- Then adjust based on what you have learned and experiment again









Experimenting Record Example

	EXPERIMENTING RECORD Obstacle: Parts Presentation & Accuracy to Assembly Cells				Process: Parts Pickir	CASE #1
					COACH: Scott T.	
Ι.	Step & Date	What do you expect?			Result Observe closely	What We Learned
	6-20-2017 Evaluate the lipicking process of the high volume parts for ABC product line.	 20% percent of the ABC product parts drive 80% of the pickers movement. Pickers incur wasted time & energy. 			 161 picks were allocated to ABC products. Pickers traveled over 1600 steps, 196 total picks, 120 minutes, 16 empty locations, ladder used 9 times while picking for a standard pump 	 Majority of picks allocated to the ABC family. No logical positioning of parts and inventory accuracy questionable. Excessive ladder usage
*	6-21-2017Arrange high a volume parts shelves 2 &3 to avoid ladder usage.	2. The pickers will minimize the number of ladder moves by 50%.		EXPERIMENT	Pickers incurred 3 ladders moves for the same order type. 1300 steps incurred.	Position of high volume parts reduced the need for ladders. Operator still moving a lot.
		3. Reduction in picking steps & cycle time by at east 50%			Picker cycle time reduced from 120 minutes to 62 minutes and travel distance reduce from 1600 steps to 432 steps.	Location of parts improved productivity and safety.
	1	4. The number of re-pick orders into stockroom to be reduced by 75%			 The number of past re-pick orders was difficult to find. 	Discovered that no accurate data was available to confirm accuracy improvement





Case Study Observations – Picking Process



16 Empty Locations





Ladder used 9 times



ABC Parts
Difficult To
Access



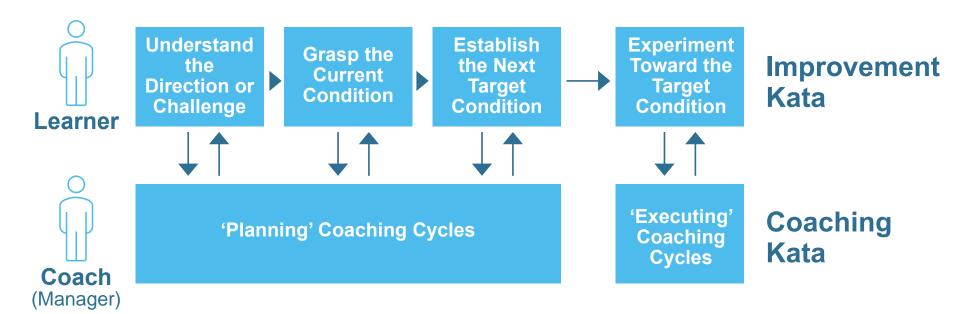
16,000 Steps, 196 Picks – 120 mins







Coaching Kata



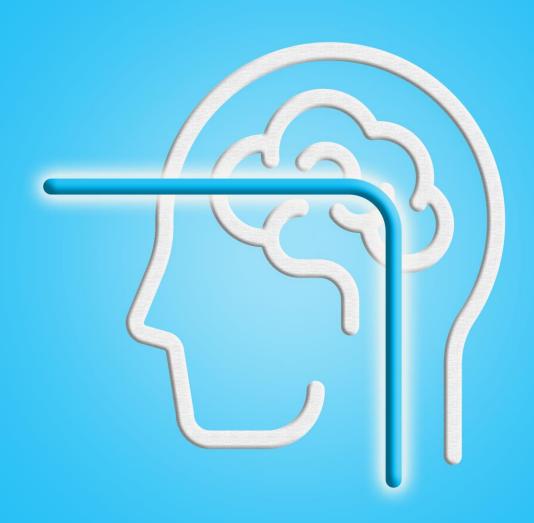
"You'll often work on the same obstacle with several experiments

Reflect on the Last Step Taken Because you don't actually know what the result of a step will be! 1) What did you plan as your Last Step? 2) What did you Expect? 3) What Actually Happened? 4) What did you Learn? Return to question 3



Source: Mike Rother

Summary: The Improvement Kata Mind-set



Invest NI:

Operational Excellence Team

Who are we?

Business-experienced Coaches

What do we do?

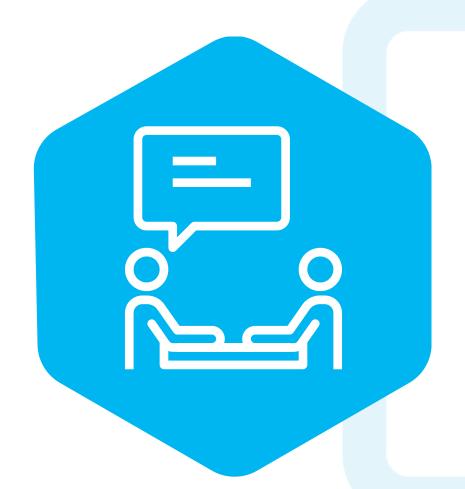
Improve the productivity, profitability & competitiveness of NI Businesses

How do we do it?

Tailored support using training, mentoring & coaching to promote best practice and build capability within our clients' businesses to deliver quantifiable & sustainable improvement

Queries: opexquery@investni.com





Get in touch...

For more information from the Operational Excellence Team:

opexquery@investni.com



