

Vägen till ständig förbättring

Linköping 2014-03-13

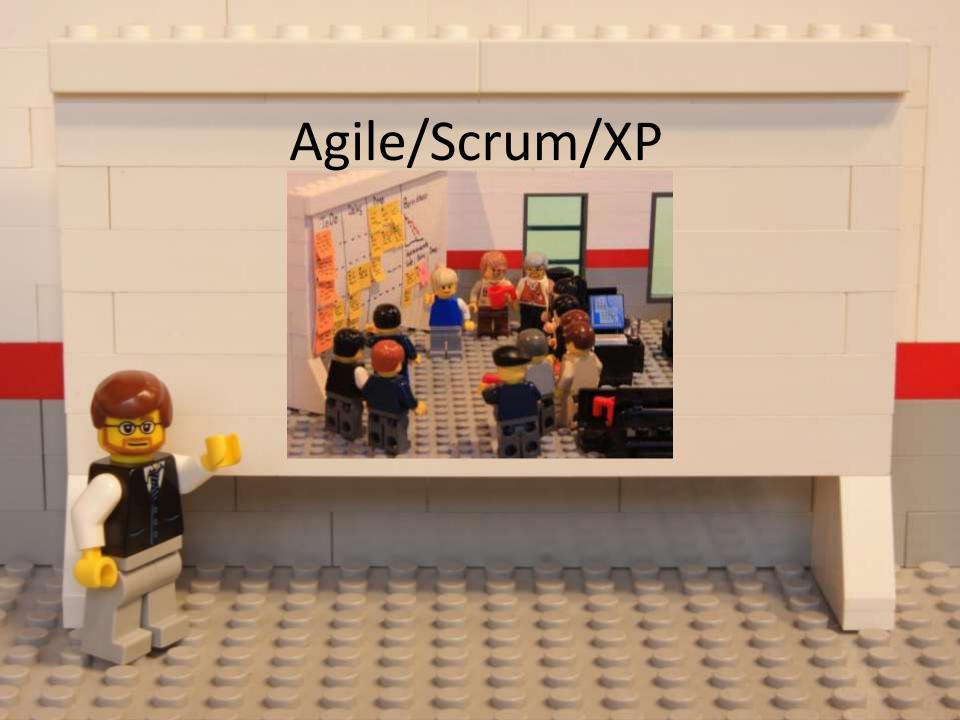
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## Toyota Kata in a nutshell



Understand Direction



Grasp Current Condition



Set the Next Target Condition



Iterate toward Target Condition

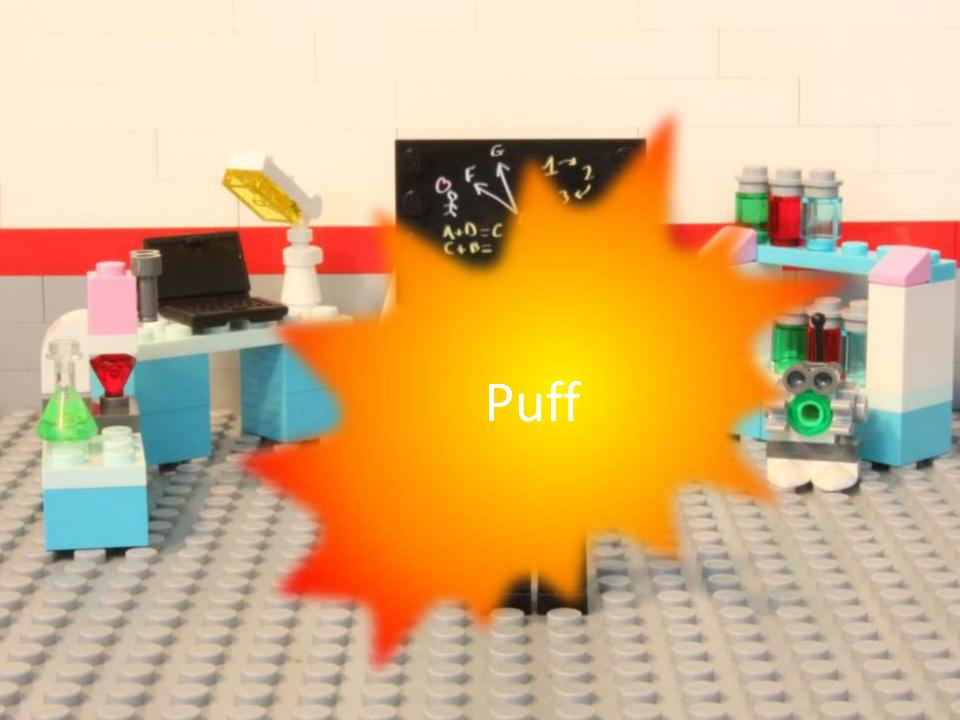
**Executing Phase** 

**Planning Phase** 

Repeat

## Improvements are experiments

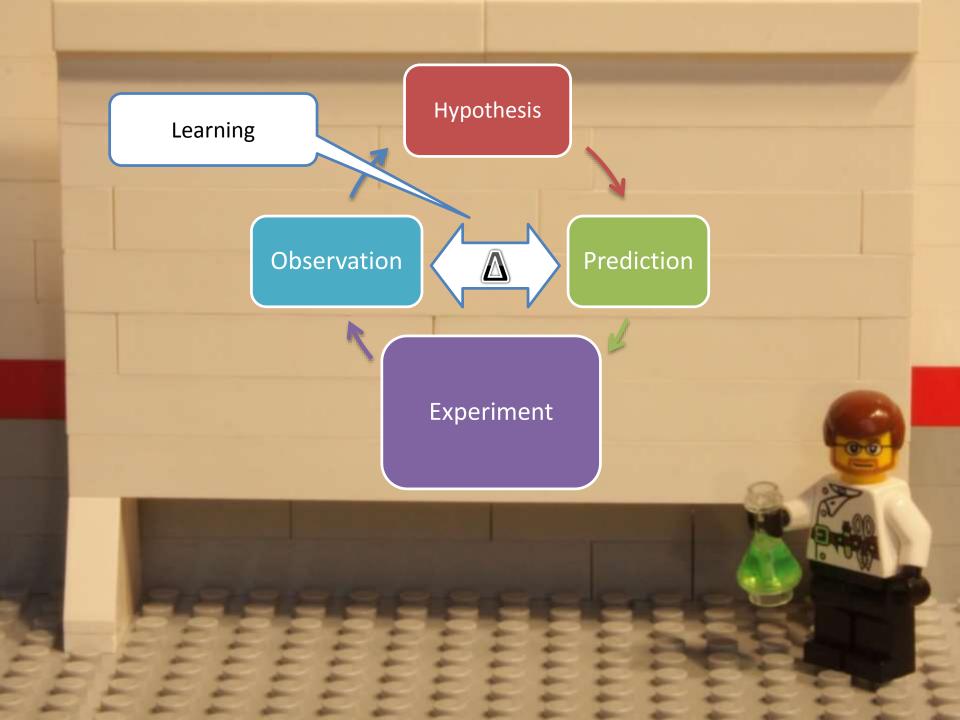


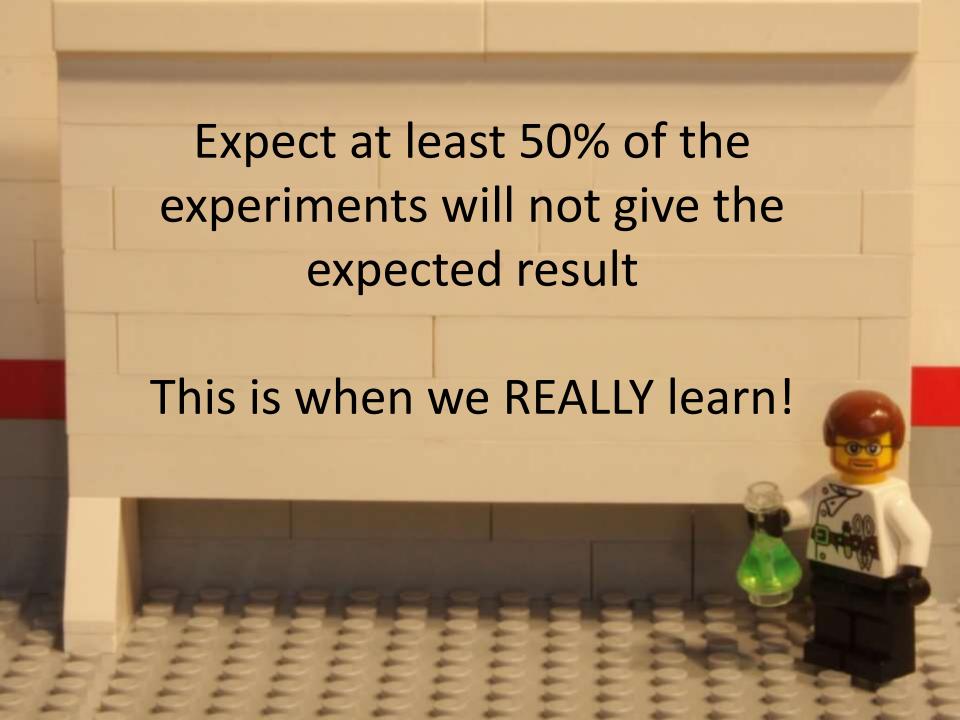


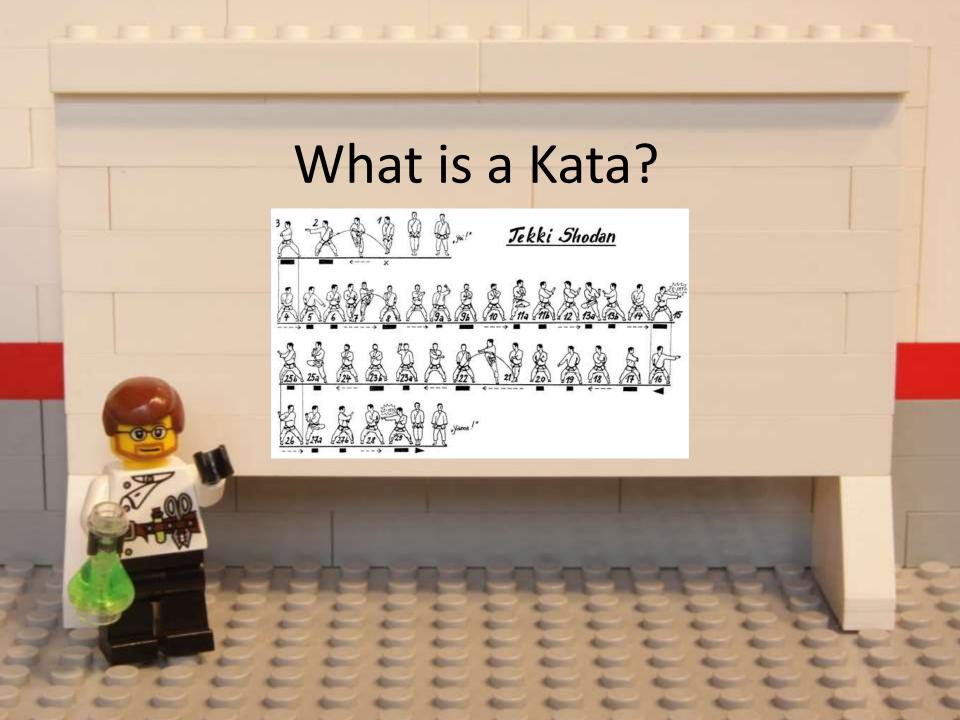


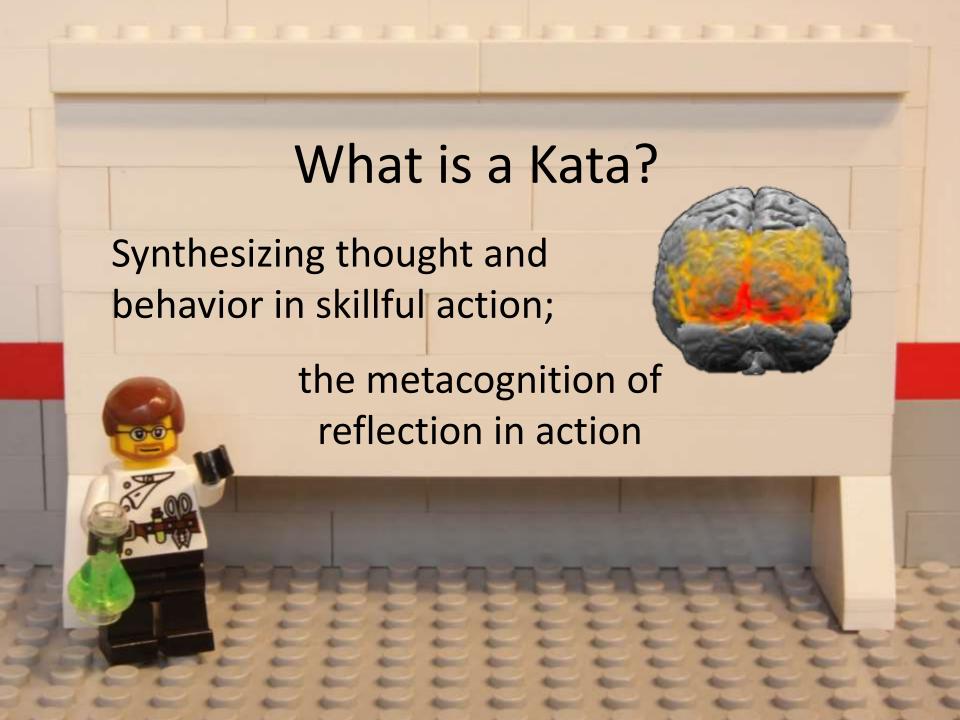
# The sound of learning



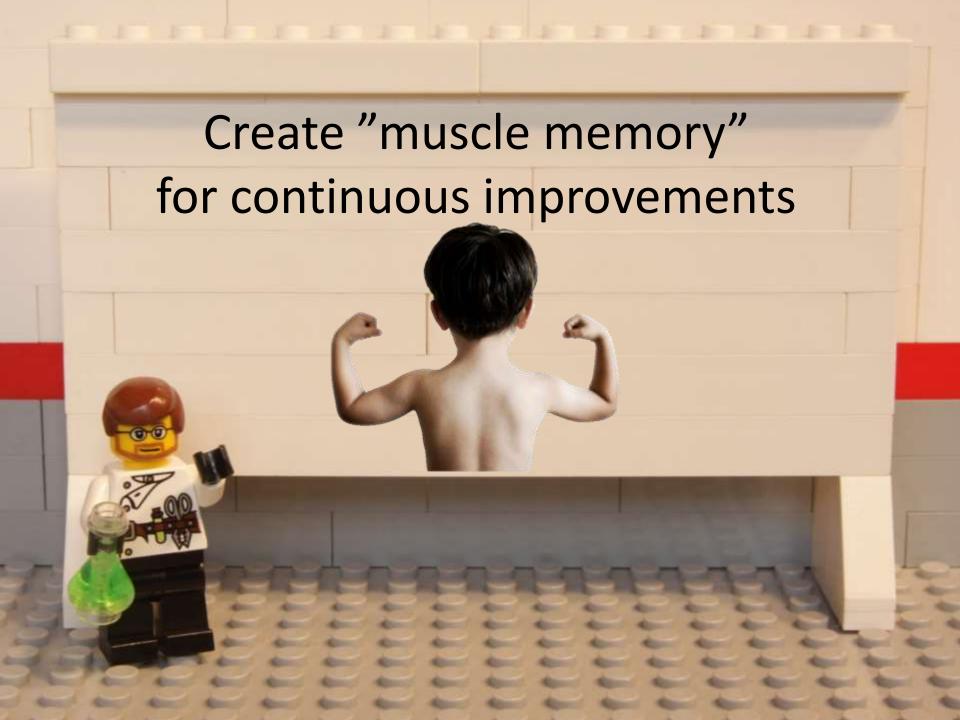








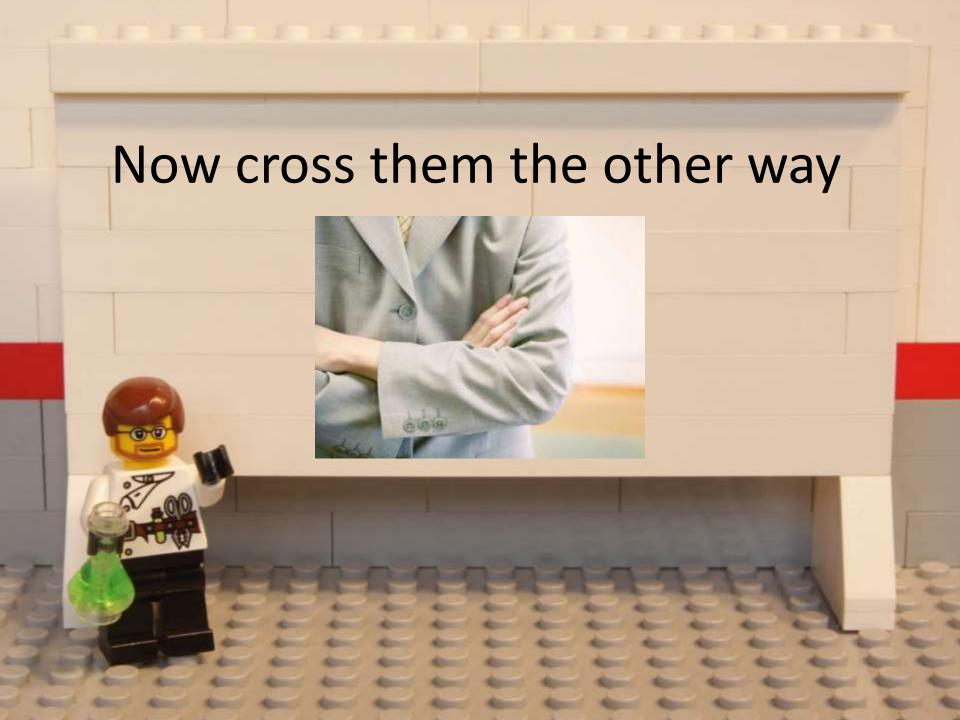


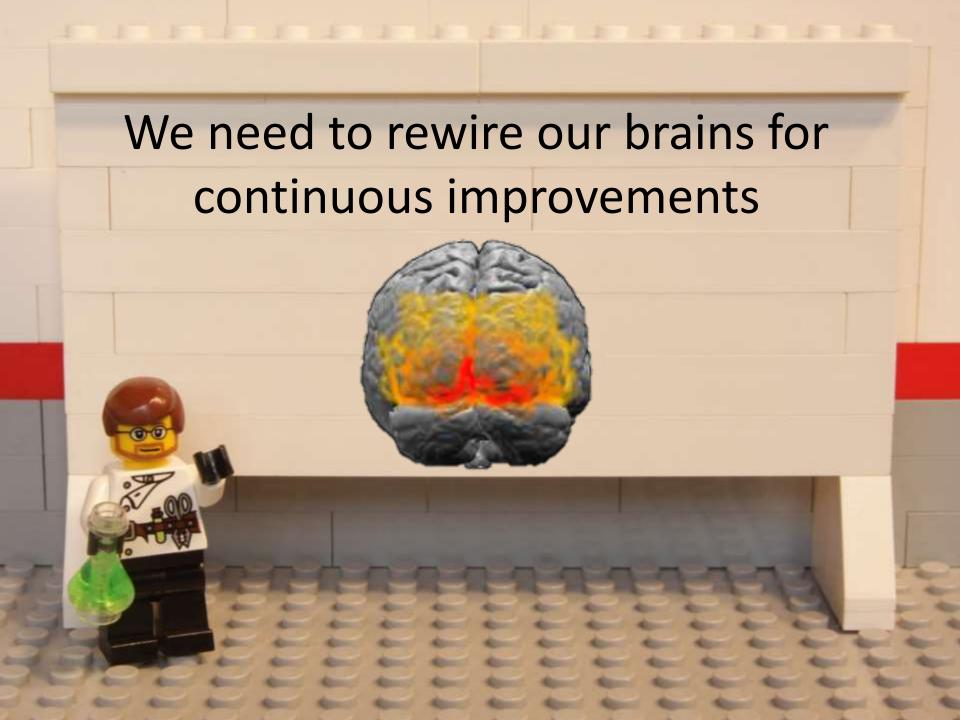


# Let's do an experiment!

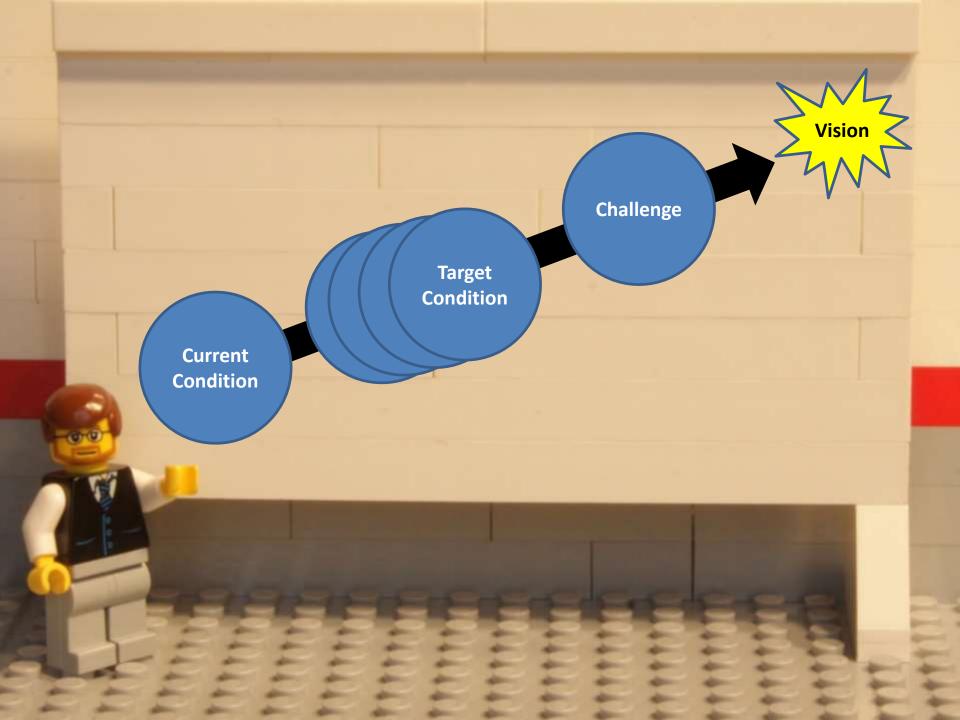












#### Improvement Kata



#### Coaching Kata



Understand the Direction

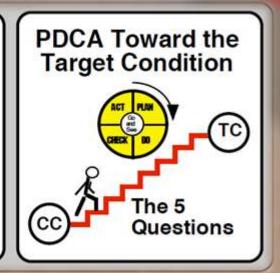


Grasp the Current Condition



Establish the Next Target Condition





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# Toyota's Vision for Its Production Operations

- Zero defects
- 100 percent value added
- One-piece flow, in sequence, on demand
- Security for people (no injuries)

Understand the Direction

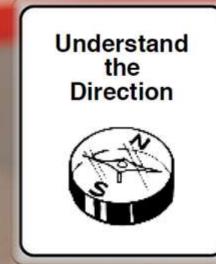


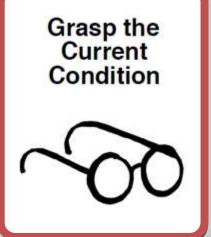
## Software development Vision example

- Zero defects, in production
- 100 percent value added
- Highest value first, on demand
- Security for people (no injuries)

Understand the Direction







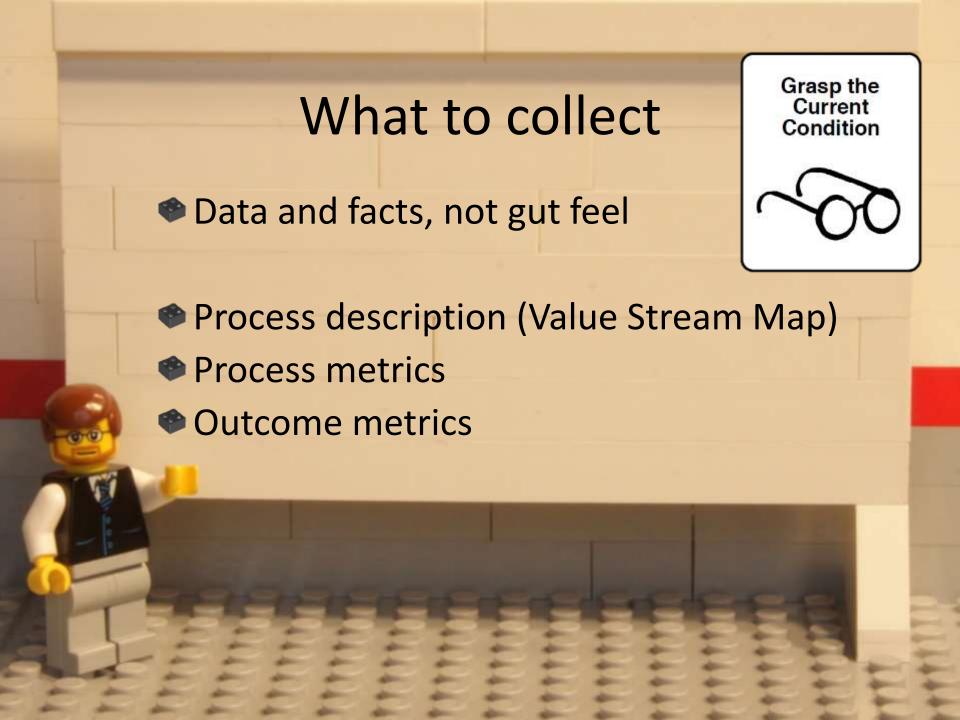


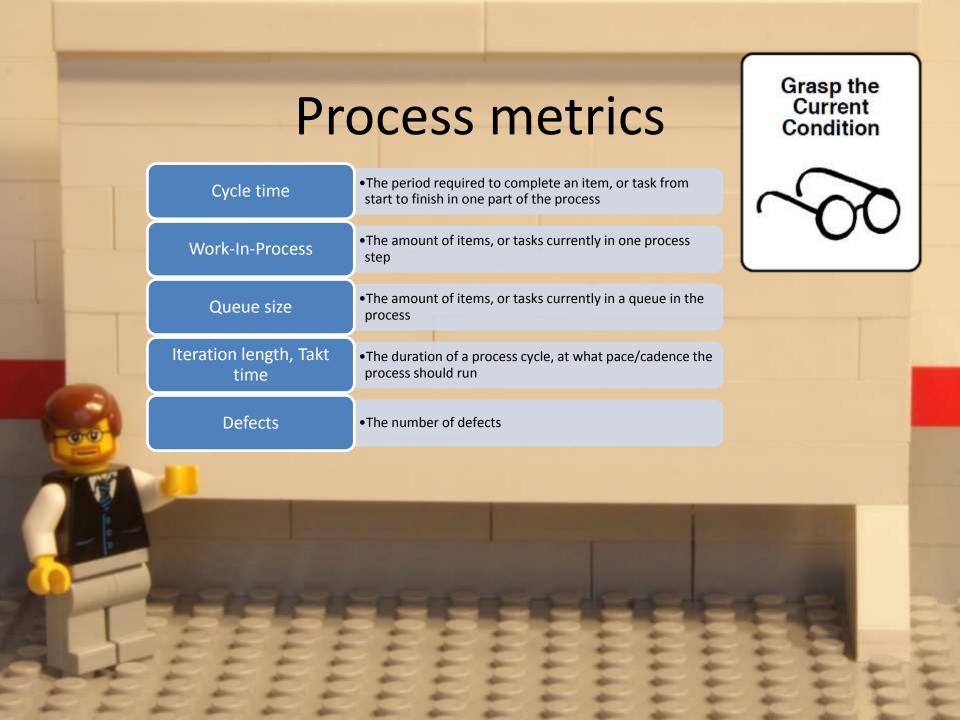


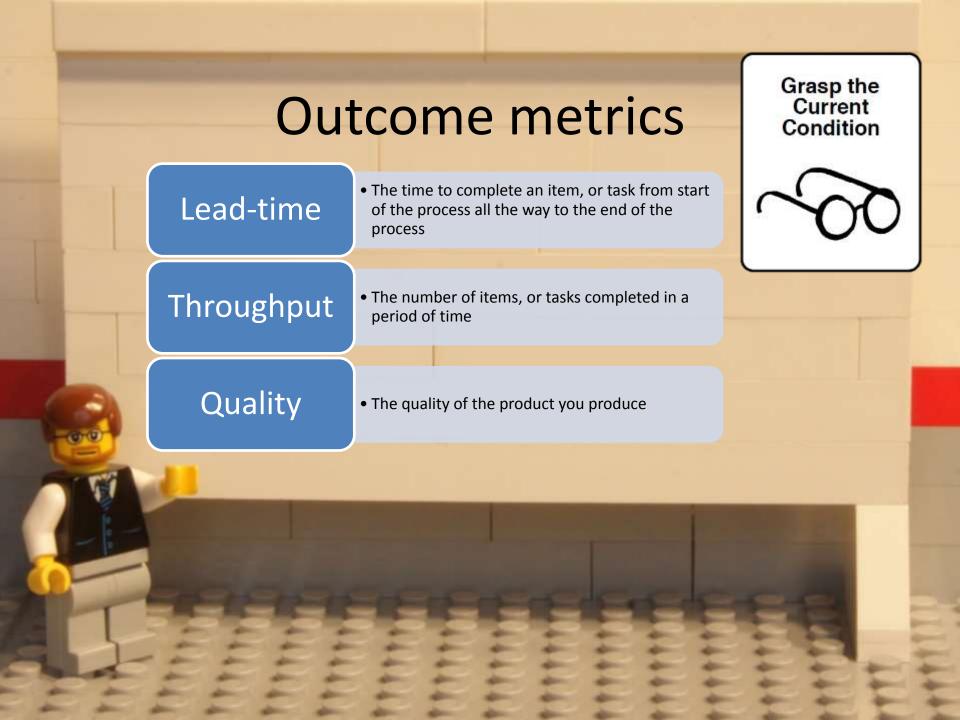


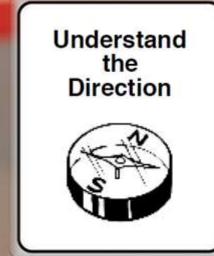




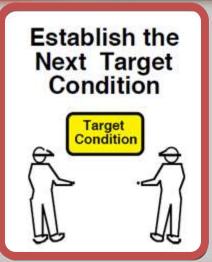


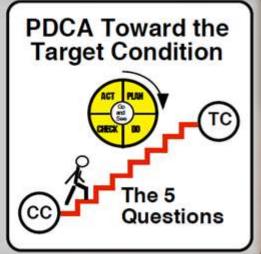




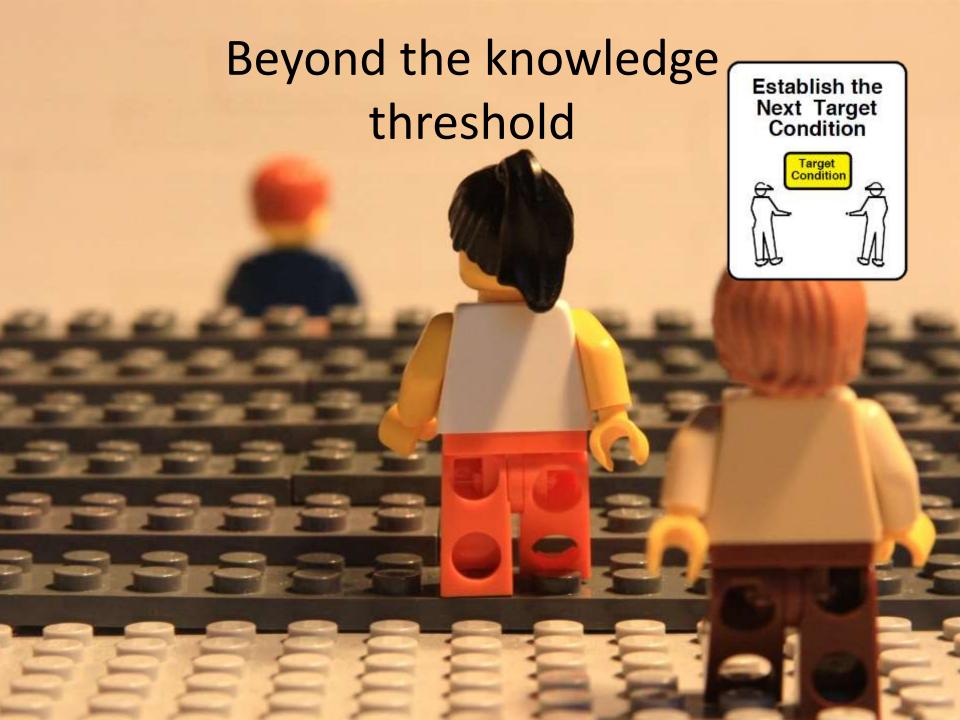


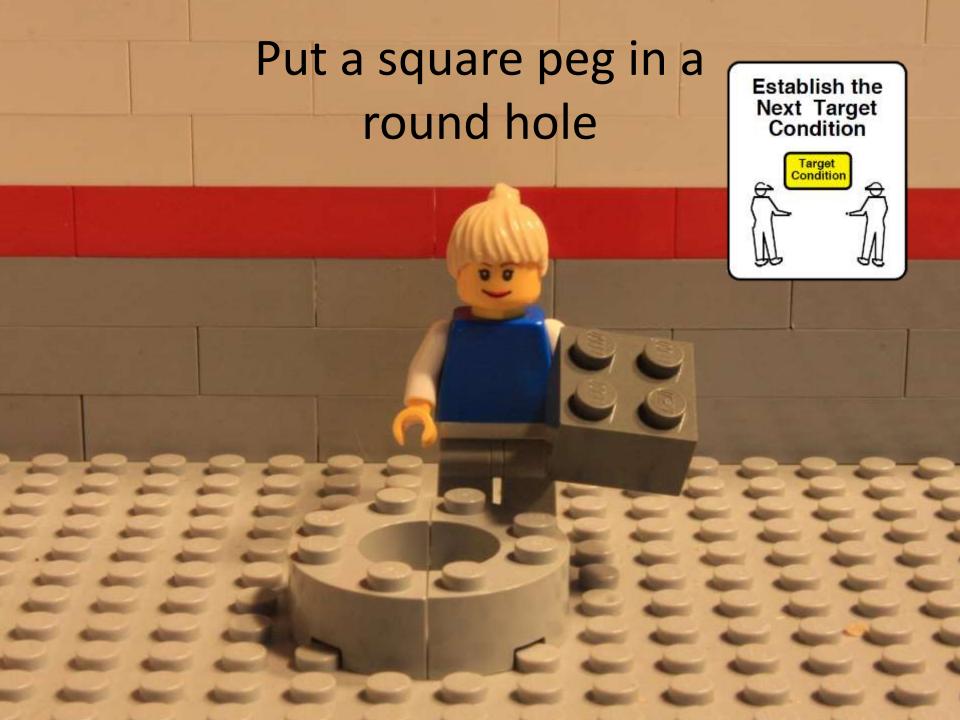








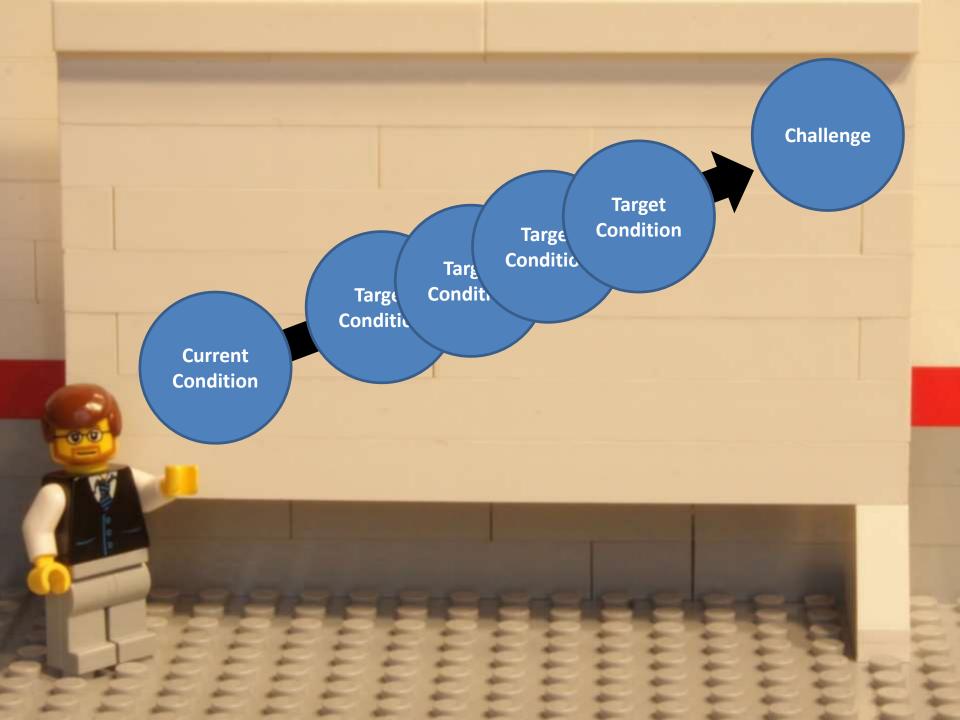


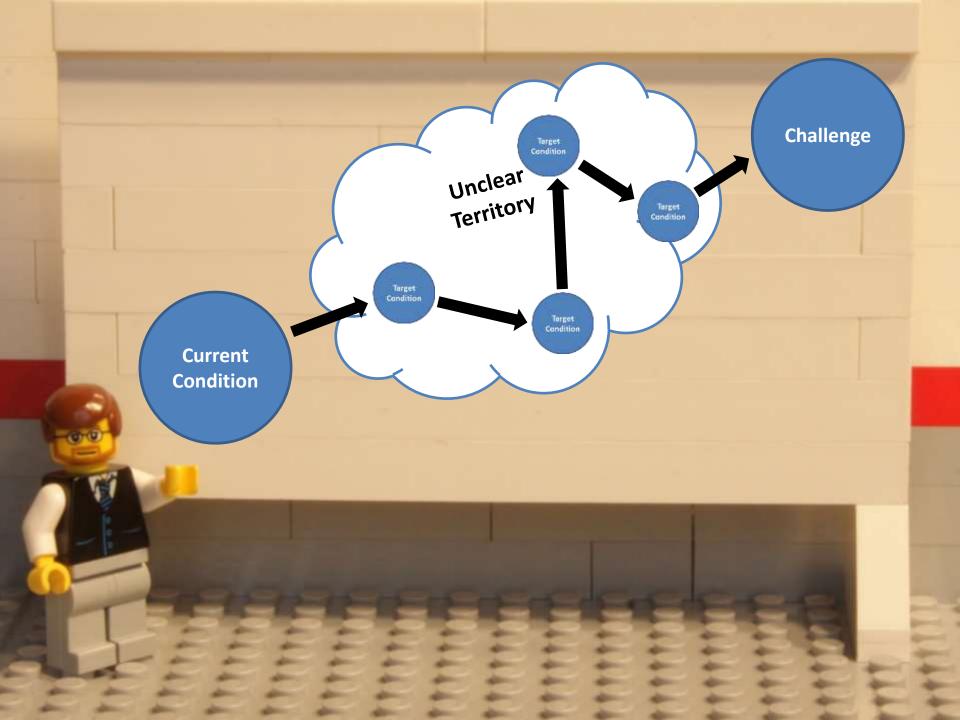




- Hypothesis on the journey towards the next Challenge and Vision
- Based on your business strategy and model for process improvement
- Follow the Goldilocks rule
  - Not too hard, Not too easy, Just Right



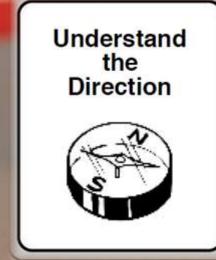


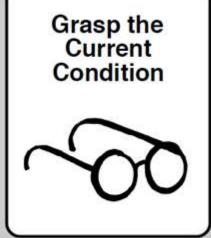




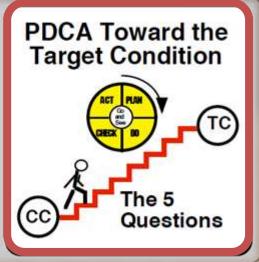
- All work visible
- Lead time 60 days (from 80 days)
- Work-in-process 15 (from 20)
- Deploy to production every 2 weeks
- Specification by Example is used for 80% of the features



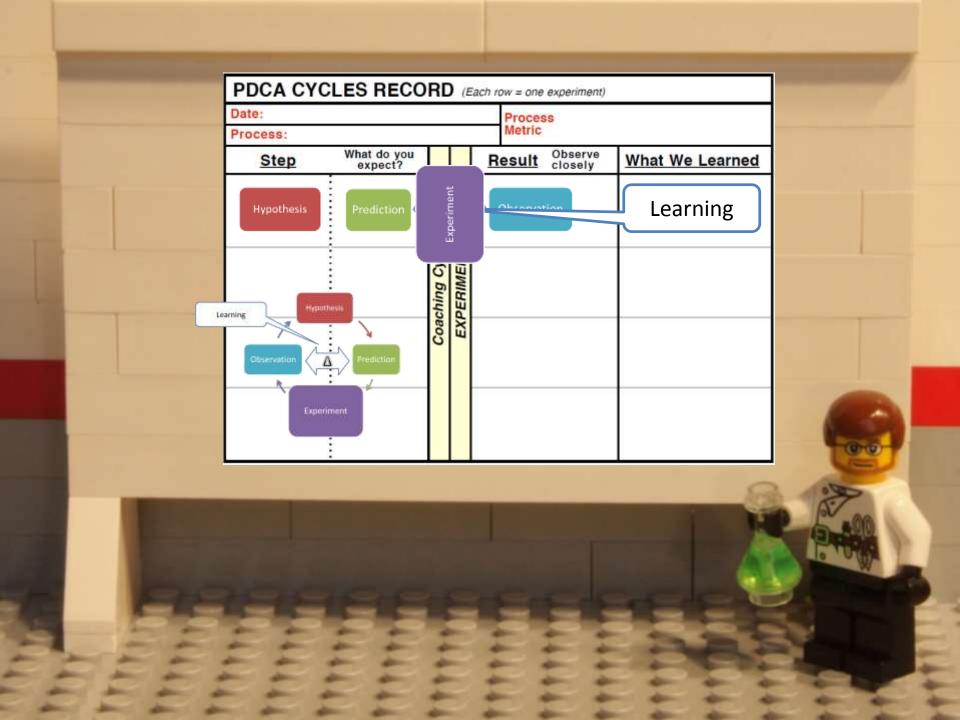


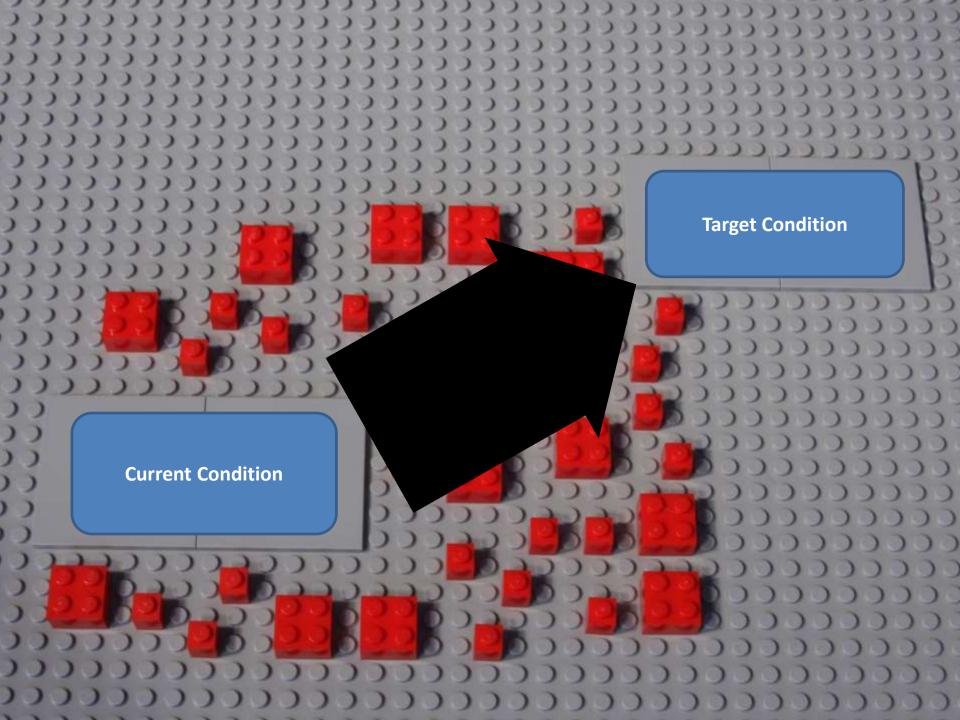


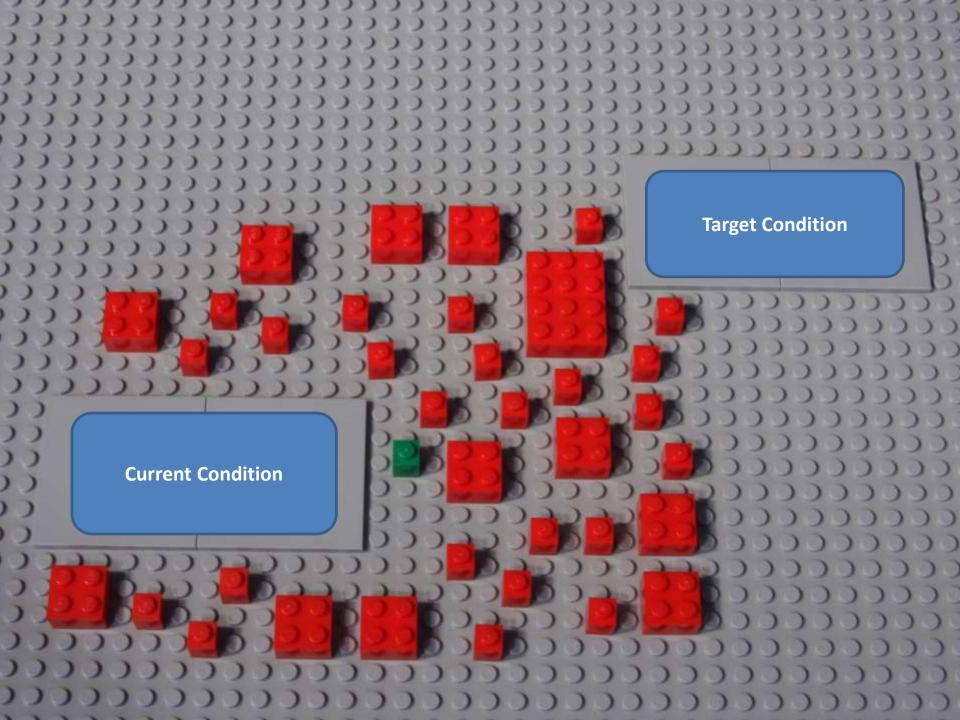


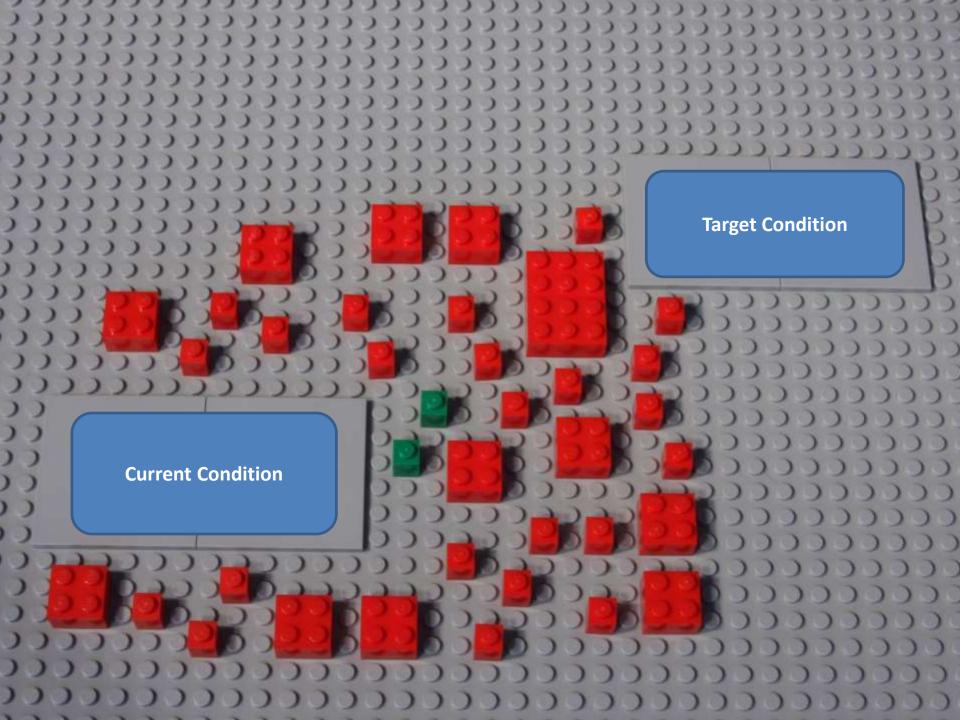


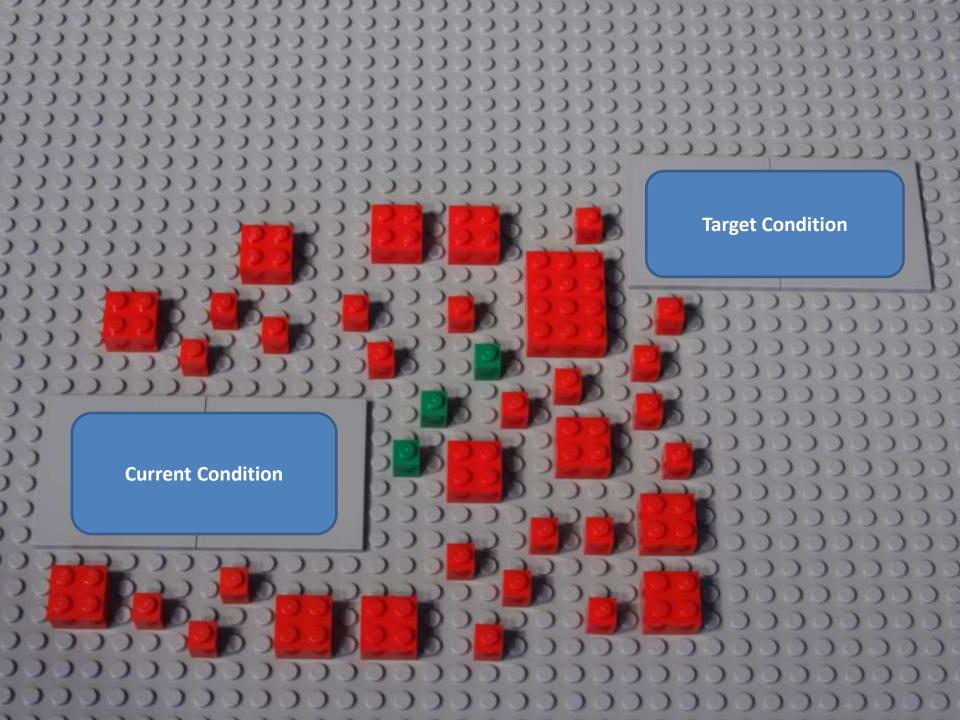


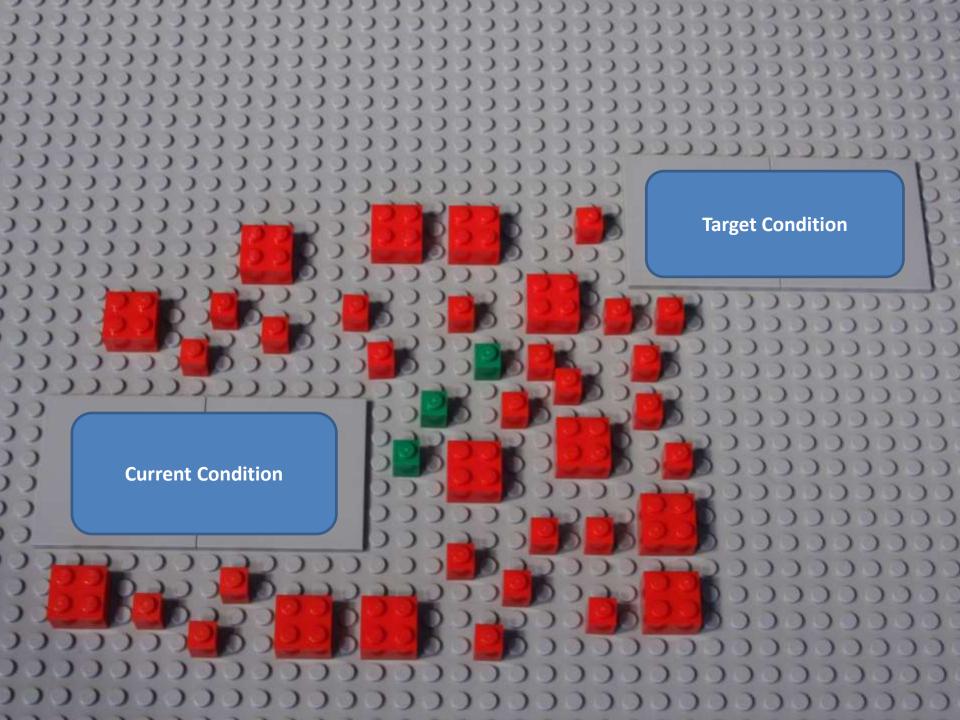


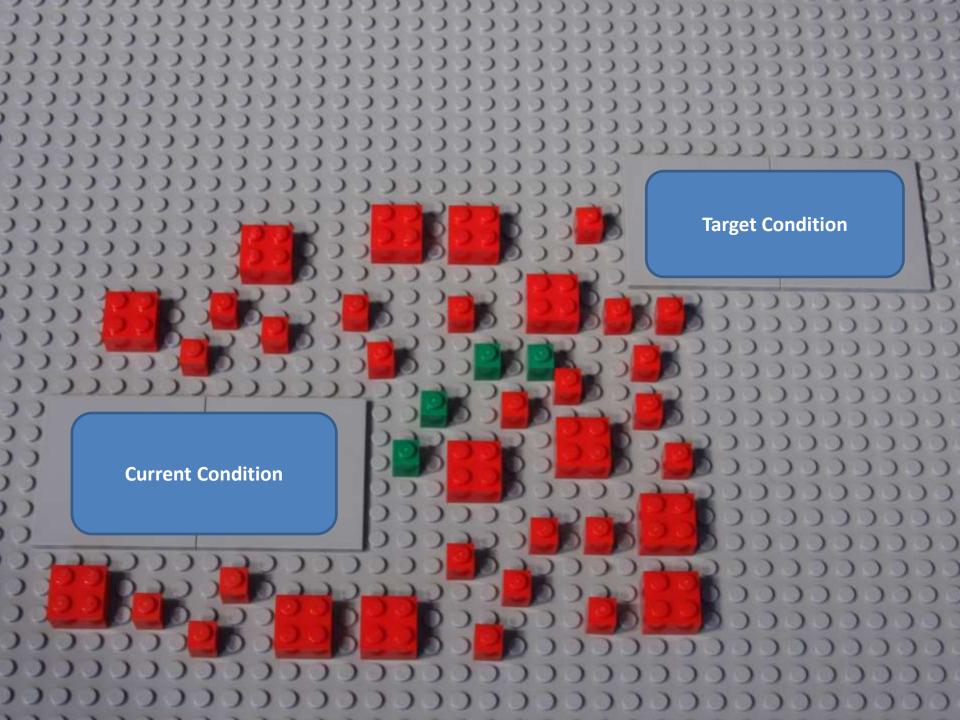


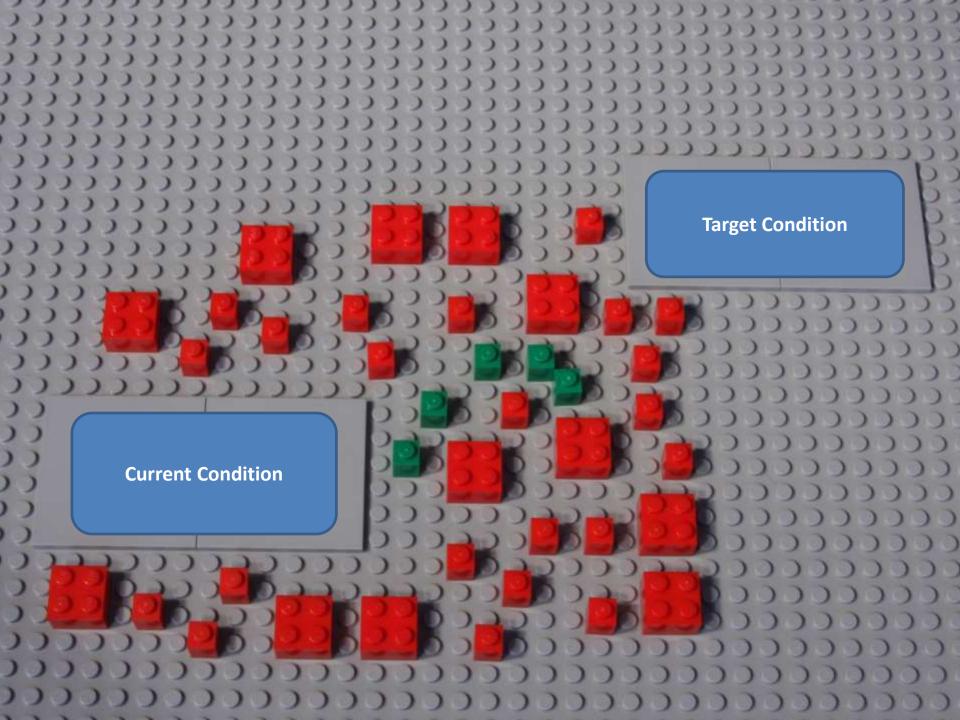


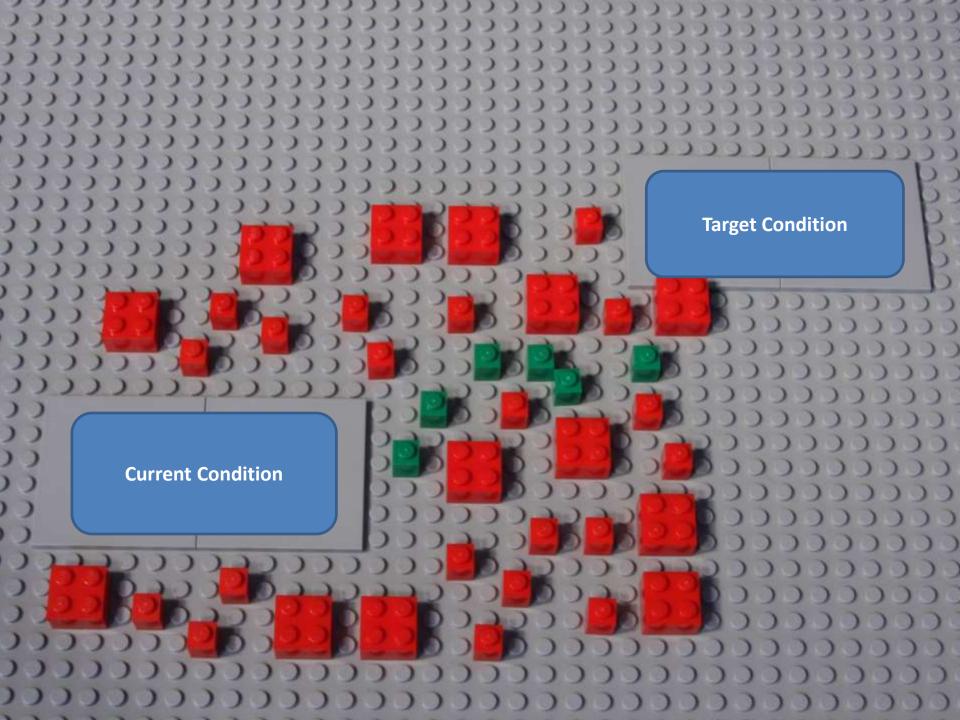


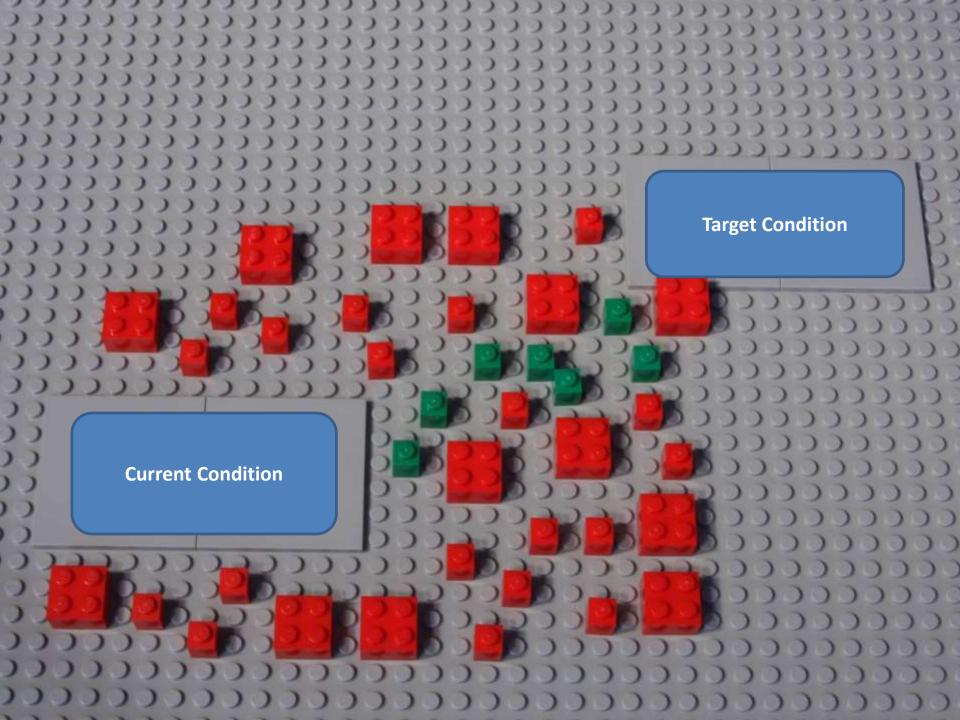












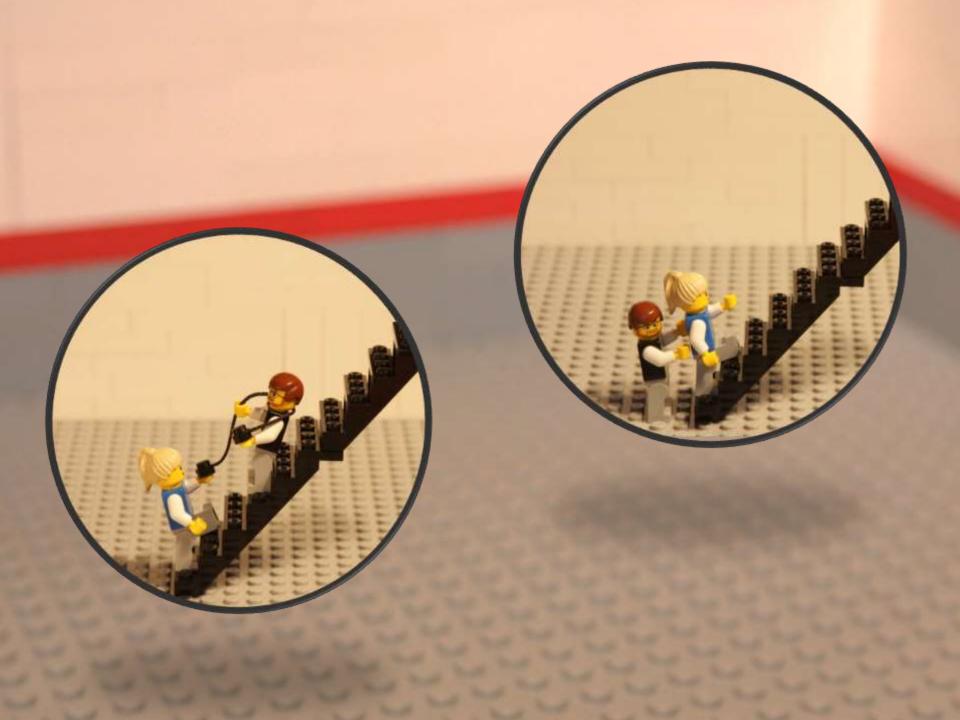
## Improvement Kata



# Coaching Kata







# COACHING KATA

## The Five Questions

- 1) What is the Target Condition?
- 2) What is the Actual Condition now?

----- (Turn Card Over)----->

- 3) What Obstacles do you think are preventing you from reaching the target condition? Which \*one\* are you addressing now?
- 4) What is your Next Step? (next PDCA / experiment) What do you expect?
- 5) When can we go and see what we Have Learned from taking that step?

"You'll often work on the same obstacle for several PDCA cycles

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### Reflect on the Last Step Taken

Because you don't actually know what the result of a step will be!

- What was your Last Step?
- What did you Expect?
- 3) What Actually Happened?
- What did you Learn?

-----> Return

# COACHING KATA

## The Five Questions

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----- (Turn Card Over)----->

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