What is this Agile thing?

Software Strategy

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Changing Software Development: Learning to Become Agile, Allan Kelly

- Training & Coaching for Agile adoption and deepening

- Author:
  - *Changing Software Development: Learning to be Agile*, Wiley 2008.

97 Things Every Programmer Should Know, Henney, 2010

Context Encapsulation in
Pattern Languages of Program Design
Volume 5, 2006
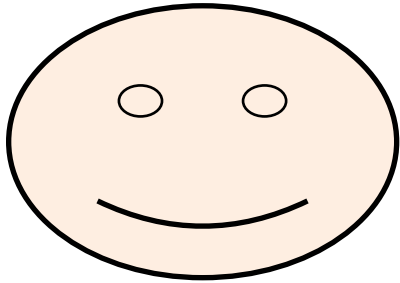

97 Things Every Programmer Should Know

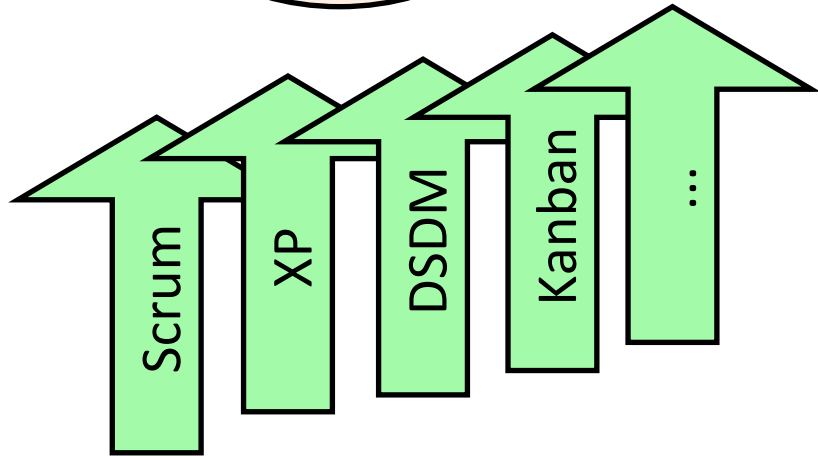Business Patterns for Software Developers (2012)

Agile is….

- A response to failed IT projects
  - Late, under performing
- Process change for new technology tools
  - Object oriented languages, The Web
- Collection of good management & engineering practices & processes

Agile, Agile methods & Agile toolkit

The State of *Agile*
(our objective)

- Quick on our feet
- Deliver quickly
- Respond to change rapidly
- Seize opportunities

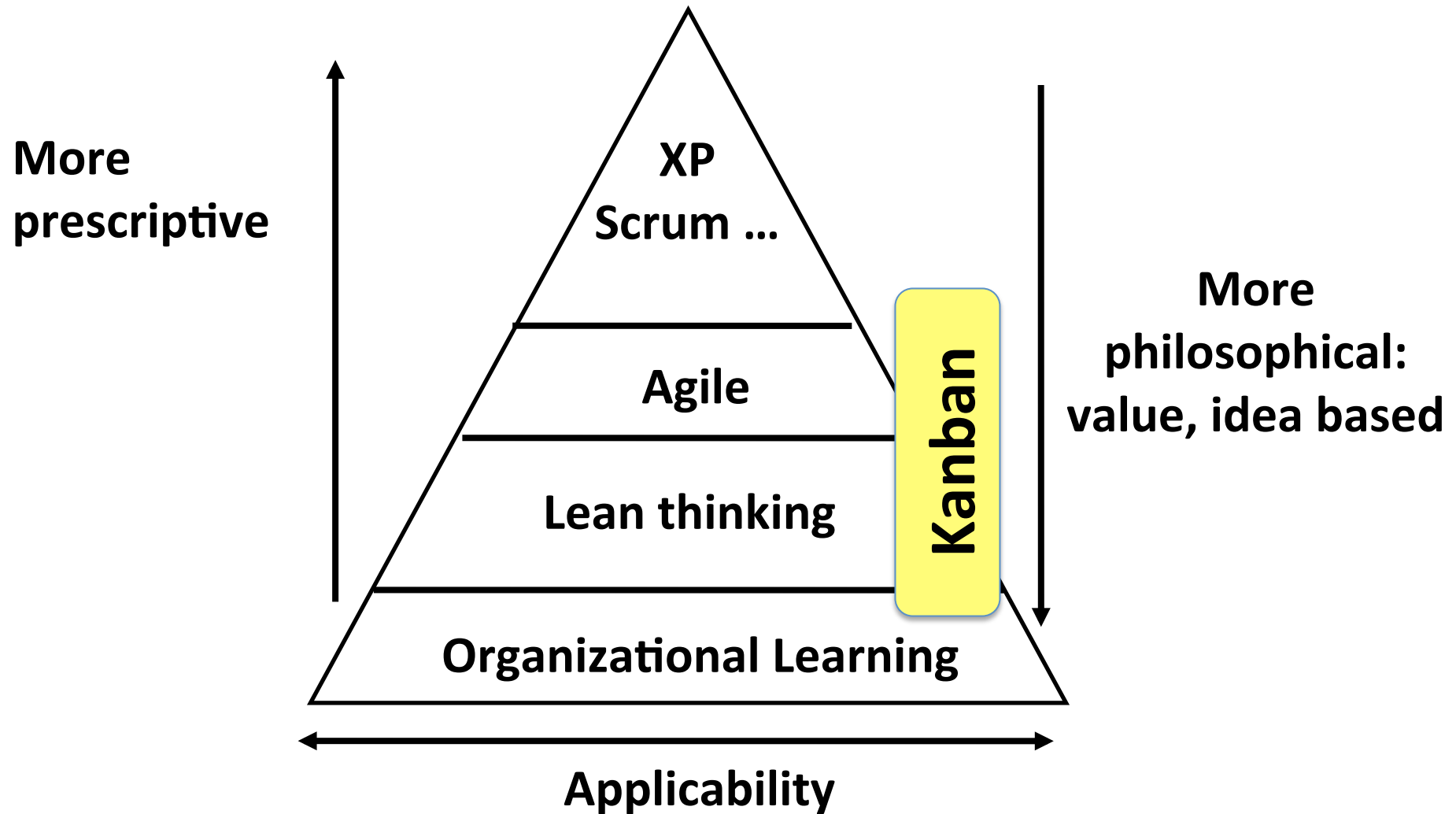Scrum | XP | DSDM | Kanban | ...

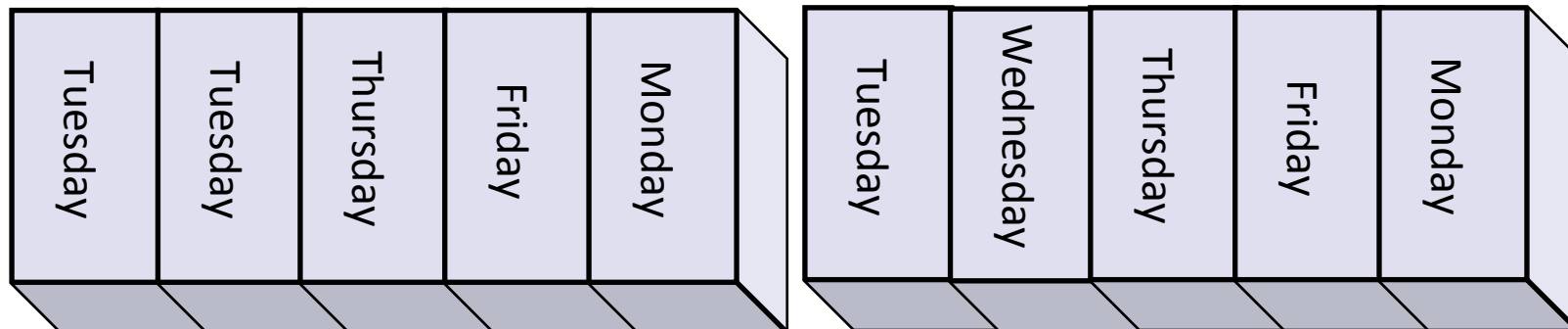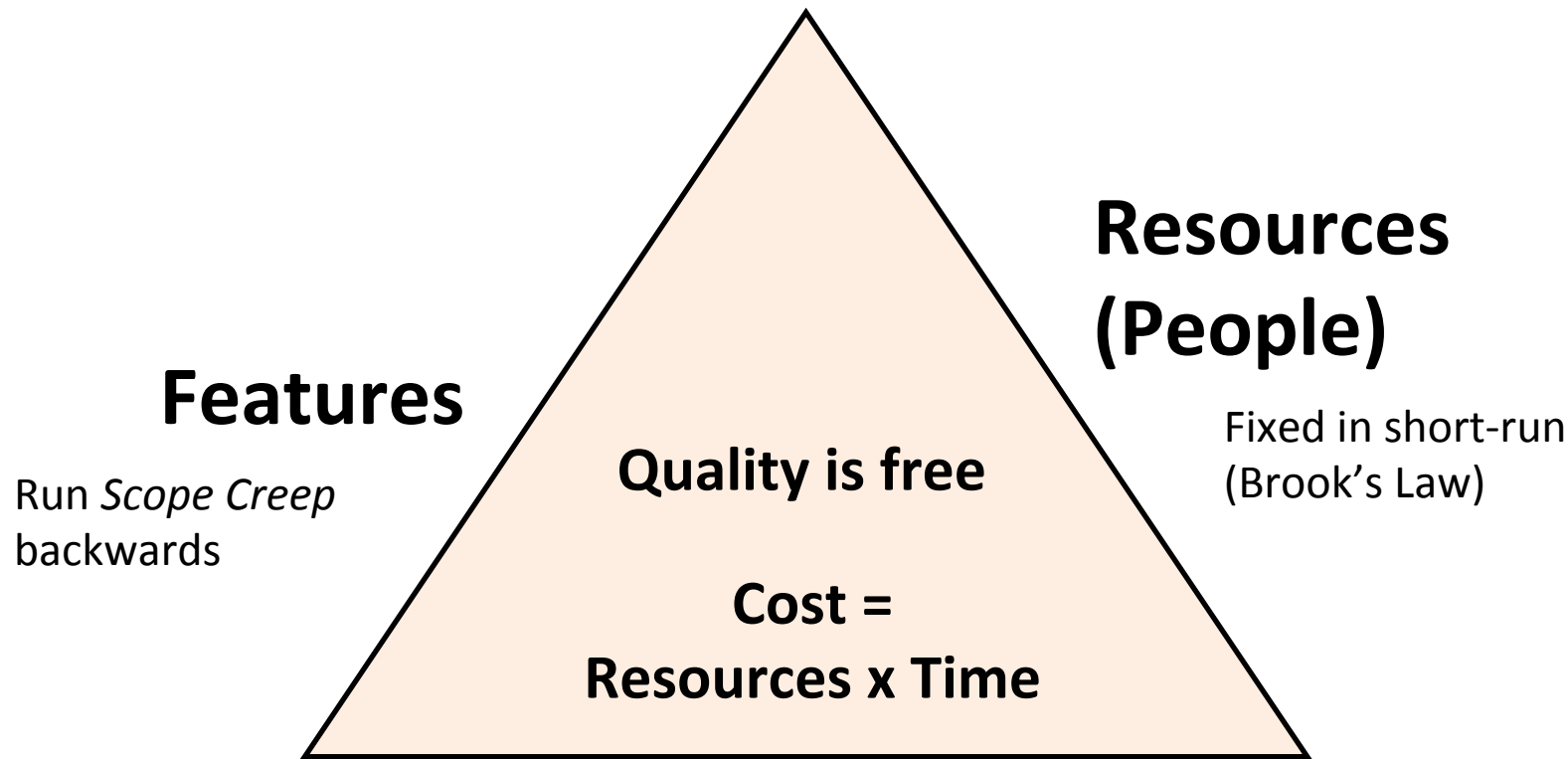Agile Methods
Promise to create the state of Agile

The Agile Toolkit

- Test Driven Development, Refactoring
- Iterations, Time boxing
- User Stories, Feature injection
- Retrospectives, ...

Agile Pyramid

More prescriptive

More philosophical: value, idea based

XP
Scrum …

Agile

Lean thinking

Kanban

Organizational Learning

Applicability

Features

Run *Scope Creep*
backwards

Resources
(People)

Fixed in short-run
(Brook's Law)

Quality is free

**Cost =
Resources x Time**

Time

Time-boxed

Tuesday	Tuesday	Thursday	Friday	Monday

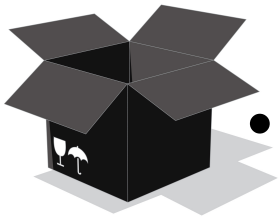| Tuesday	Wednesday	Thursday	Friday	Monday

Principles

- Software Craftsmanship: **Quality** is serious
  - High quality -> shorter projects
  - Test Driven Development, Pair-Programming, etc.
- Communication & Feedback: Inspect & Adapt
  - Every environment unique
  - See problems, fix problems
- Time-boxing: Fit the work to the time
  - Deliver early, deliver often
- Be *Highly Adaptable*,
  - Not *Highly Adapted*

AGILE ON THE BEACH

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