



Get Ready: Learning for the Future

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Nothing Is Intractable.



Today we will explore . . .

- ▶ WHAT are four myths about teaching and learning?
- ▶ SO WHAT is a Deep Learning Ecology?
- ▶ NOW WHAT can you do to improve complex teaching and learning for yourself and others?

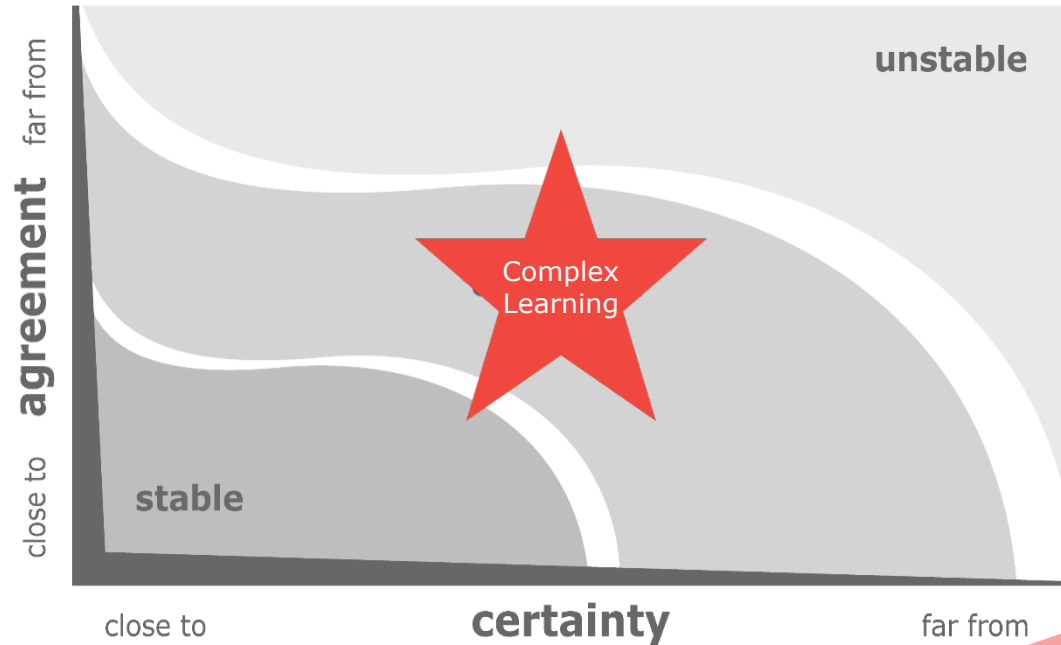




WHAT are myths about teaching and learning?



Learning Landscape





Myth 1

Teaching is about
answers



Teaching is about
questions



Myth 2

Learning is
sequential



Learning is
dynamical



Myth 3

Mastery
is
the goal



Confidence
is
the goal



Myth 4

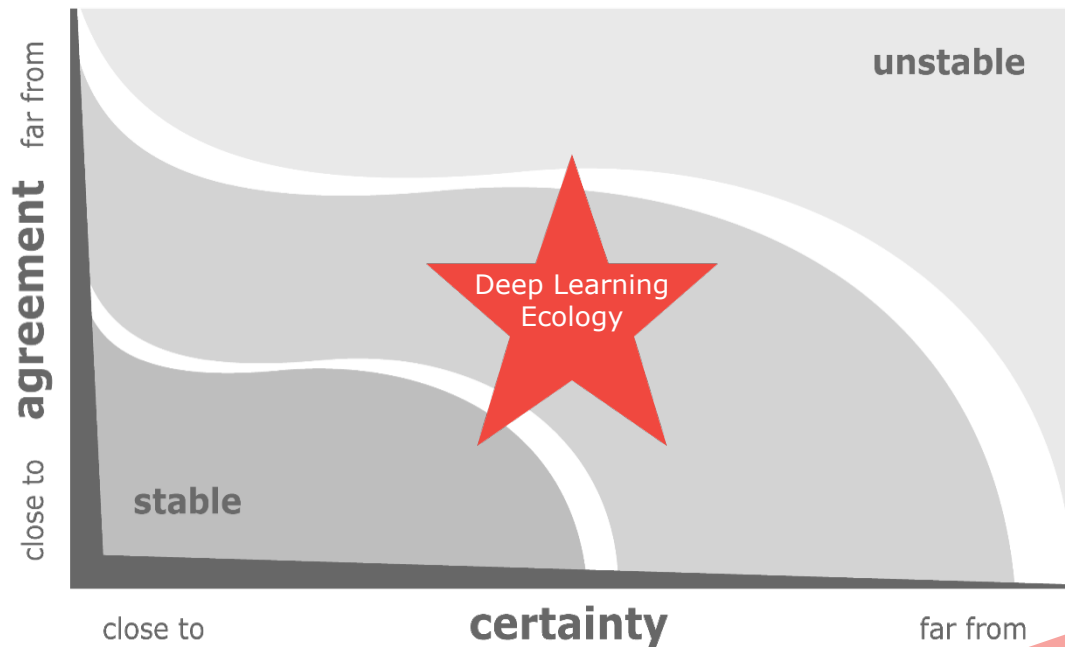
Theory
comes first



Practice
comes first



Learning Landscape





SO WHAT is a Deep Learning Ecology?



Deep Learning Ecology

- ▶ Breaks through the myths of traditional classrooms
- ▶ Royce Holladay and Leslie Patterson
 - ▷ Recognized and responded to these myths of learning
 - ▷ Set conditions for emergent teaching and learning
 - ▷ Engaged in research and practice with children, teachers, other professionals
 - ▷ Distilled the essence of conditions for learning
 - ▷ Condensed them into the Deep Learning Ecology
 - ▷ Defined learning as *adaptive capacity*
- ▶ Patterson, L & R Holladay (2017)
Deep Learning Ecology.
Circle Pines: HSD Institute Press.
Accessible on Amazon.com



Deep Learning Ecology Question 1

Who are we as a learning team?



Teaching is about questions:

- ▶ Brings the community of learners together
- ▶ Builds shared identity
- ▶ Sets boundary conditions for the learning



Deep Learning Ecology Question 2

What is our
learning
focus?



Learning is
dynamical:

- ▶ Builds tension for release
- ▶ Focuses on the potential energy
- ▶ Zooms in for the learning
- ▶ Sparks the Aha!



Deep Learning Ecology Question 3

What
distinctions are
relevant here?



Confidence
is the goal:

- ▶ Prepares you for your uncertain future
- ▶ Creates a Finite in your Infinite Game
- ▶ Motivates your choice and freedom
- ▶ Sets conditions for the next learning



Deep Learning Ecology Question 4

How will we connect with each other and with the topic?



Practice comes first:

- ▶ Uses Adaptive Action
- ▶ Depends on practice & feedback
- ▶ Creates social connections
- ▶ Builds personal efficacy
- ▶ Leads to integration of theory and practice



Deep Learning Ecology

- ▶ Who are we as a learning team?
- ▶ What is our learning focus?
- ▶ What distinctions are relevant here?
- ▶ How will we connect with each other and with the topic?





NOW WHAT can you do to improve teaching and learning for yourself and others?



Now What?

What?	So What?	Now What?
Who are we as a learning team?		
What is our learning focus?		
What distinctions are relevant here?		
How will we connect with each other and with the topic?		



Today we explored . . .

- ▶ WHAT are myths about teaching and learning?
- ▶ SO WHAT is a Deep Learning Ecology?
- ▶ NOW WHAT can you do to improve complex teaching and learning for yourself and others?





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*Thank
You!*