



# Intro to Learning Sciences

Lecture 14: September 18, 2025  
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## Reflection and Recap for midsem

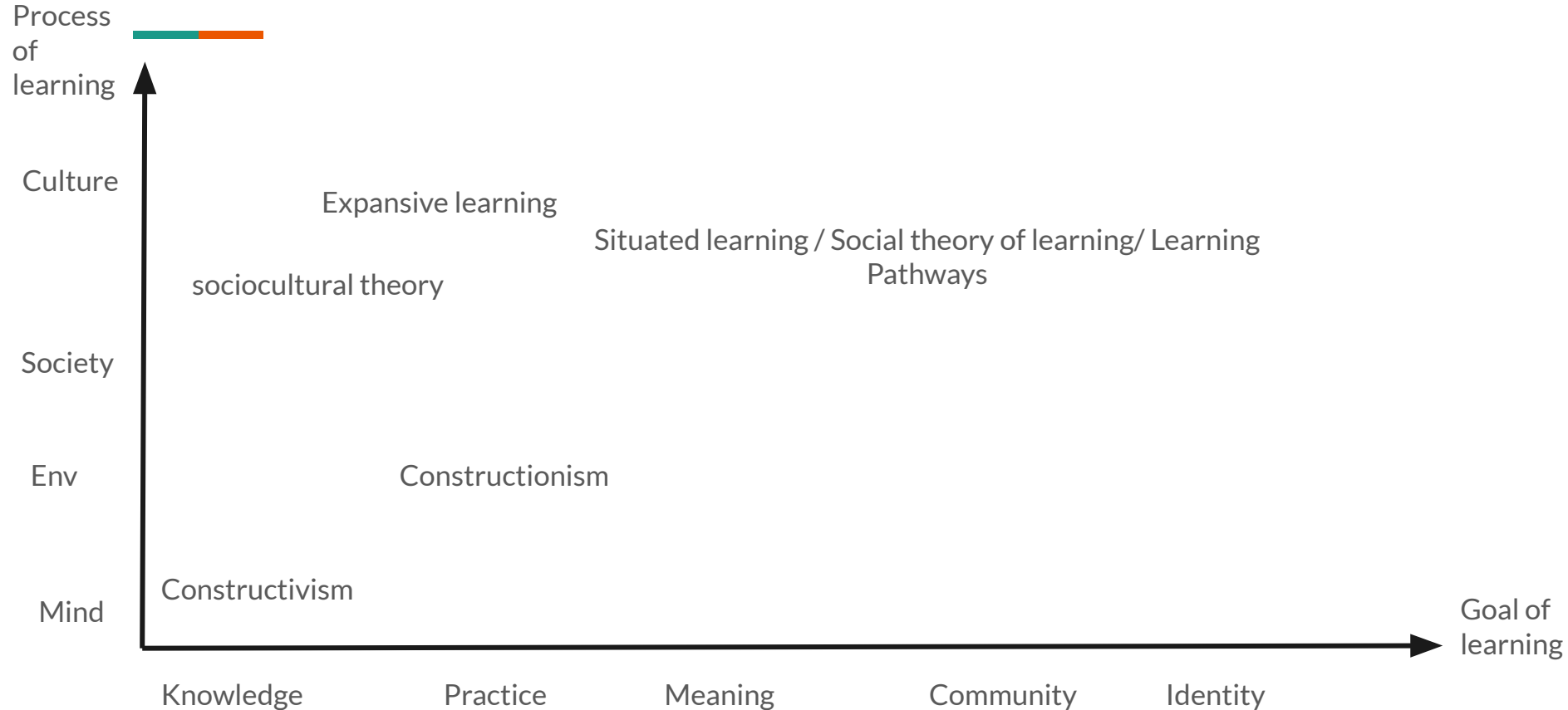
- 1) Expansive learning - contradictions, cyclical learning process
- 2) Challenges: thinking of boundary crossing processes - involving all stakeholders in identifying contradictions
- 3) Schema: mental representation
- 4) Signs and tools: signs = cues?
- 5) Meaning-making: making sense of your environment through signs and symbols; language, developing expertise and belonging, identity; own understanding, own experience, how we perceive it
- 6) Constructionism - abstract vs concrete knowledge, what is meaningful?

# Contrasting Learning Theories



Question	Constructivism	Constructionism	Sociocultural theory	Social/ Situated learning	Expansive learning
Who is learning?					
Why do they learn?					
What do they learn?					
What does it mean to learn?					
How do they learn?					

# How do the learning theories reconcile?



# Which theory?

