

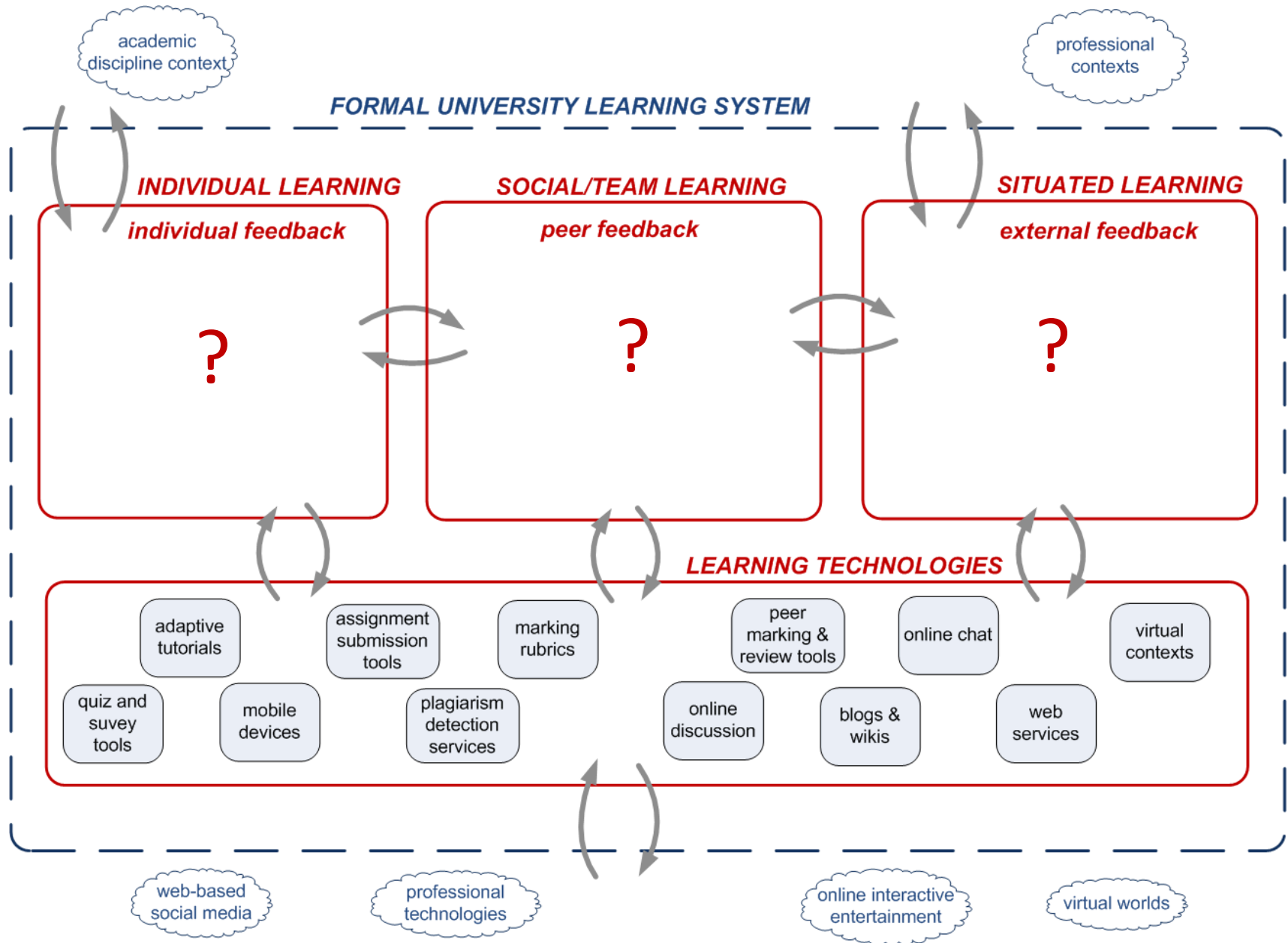
Mix and match : m/e- learning and engineering curriculum

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social/team learning

social constructivism
distributed cognition
e-moderating

individual learning

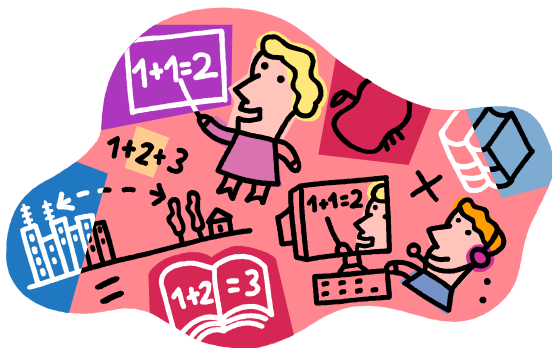
scaffolding
threshold concepts
conversations with teacher

situated learning

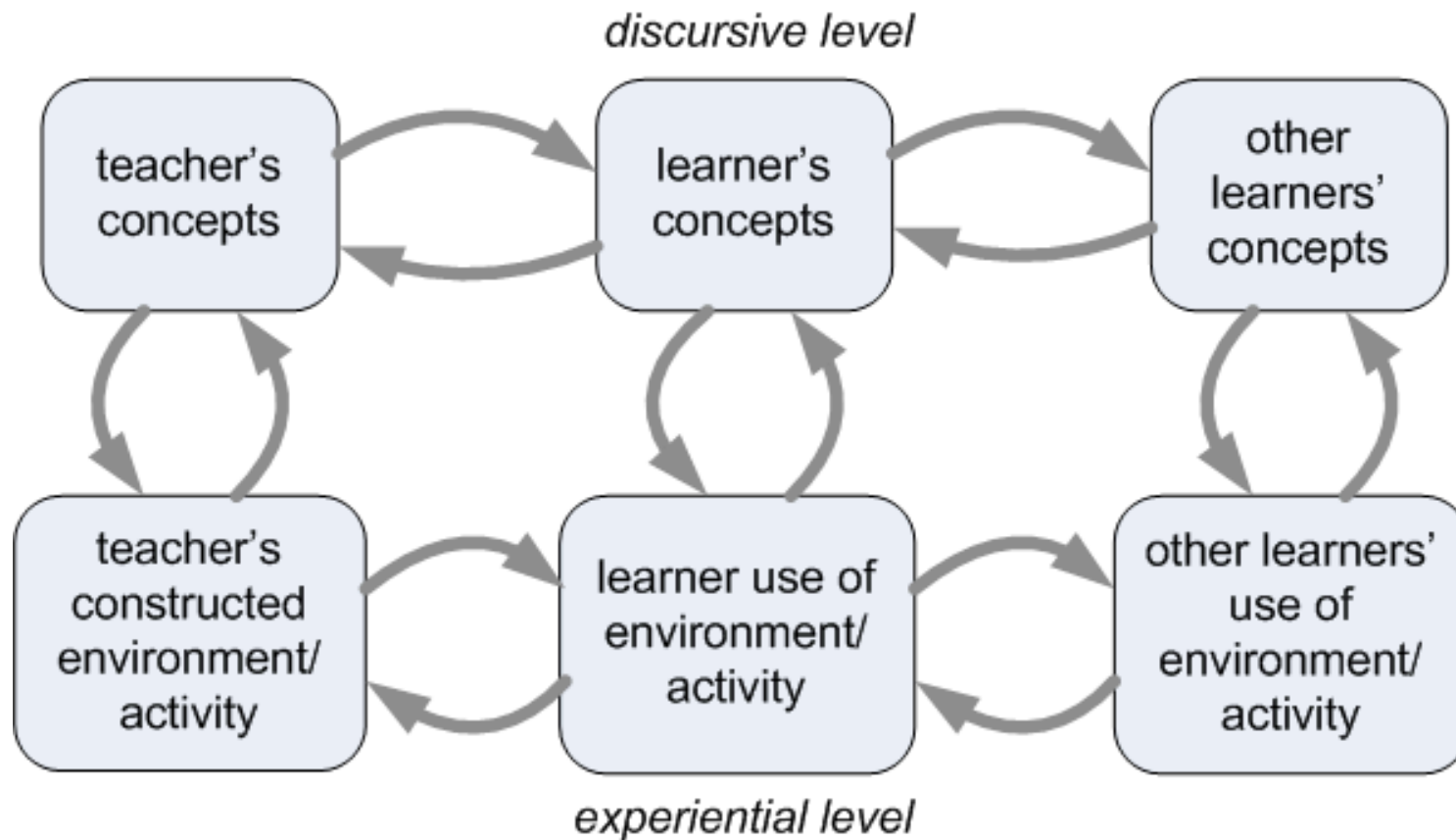
authentic learning
problem-based learning
work placements

m and e-learning technologies

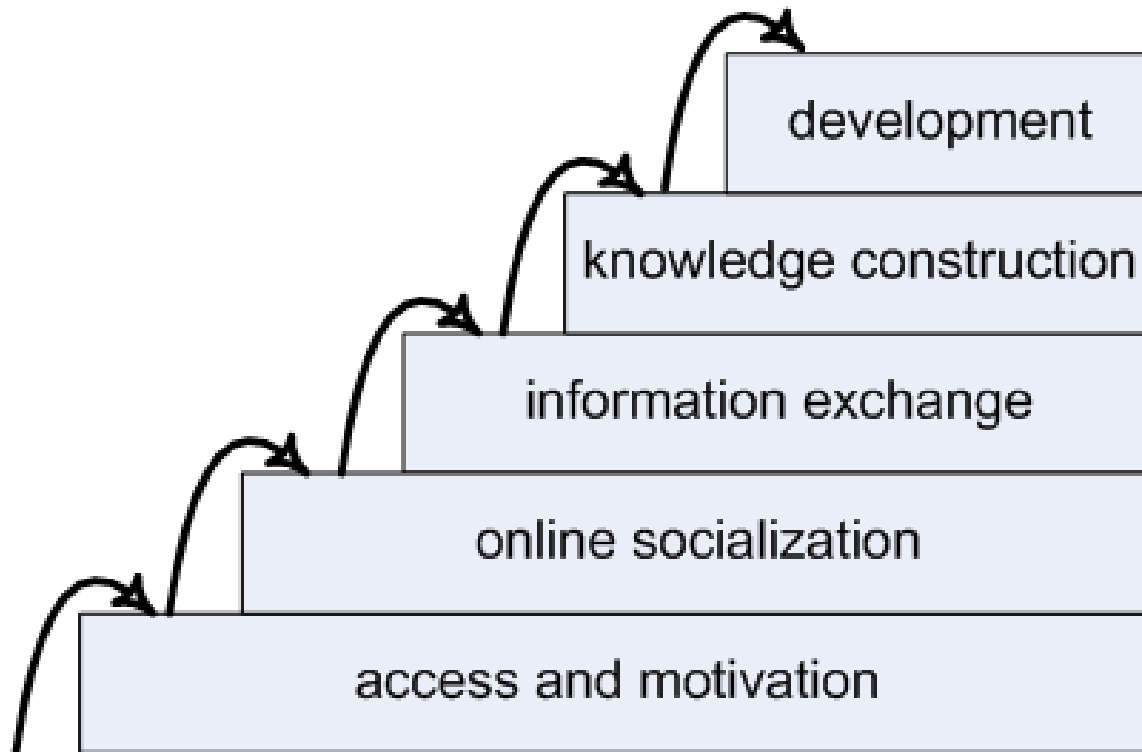
for supporting different
types of learning and
teaching activity in
engineering

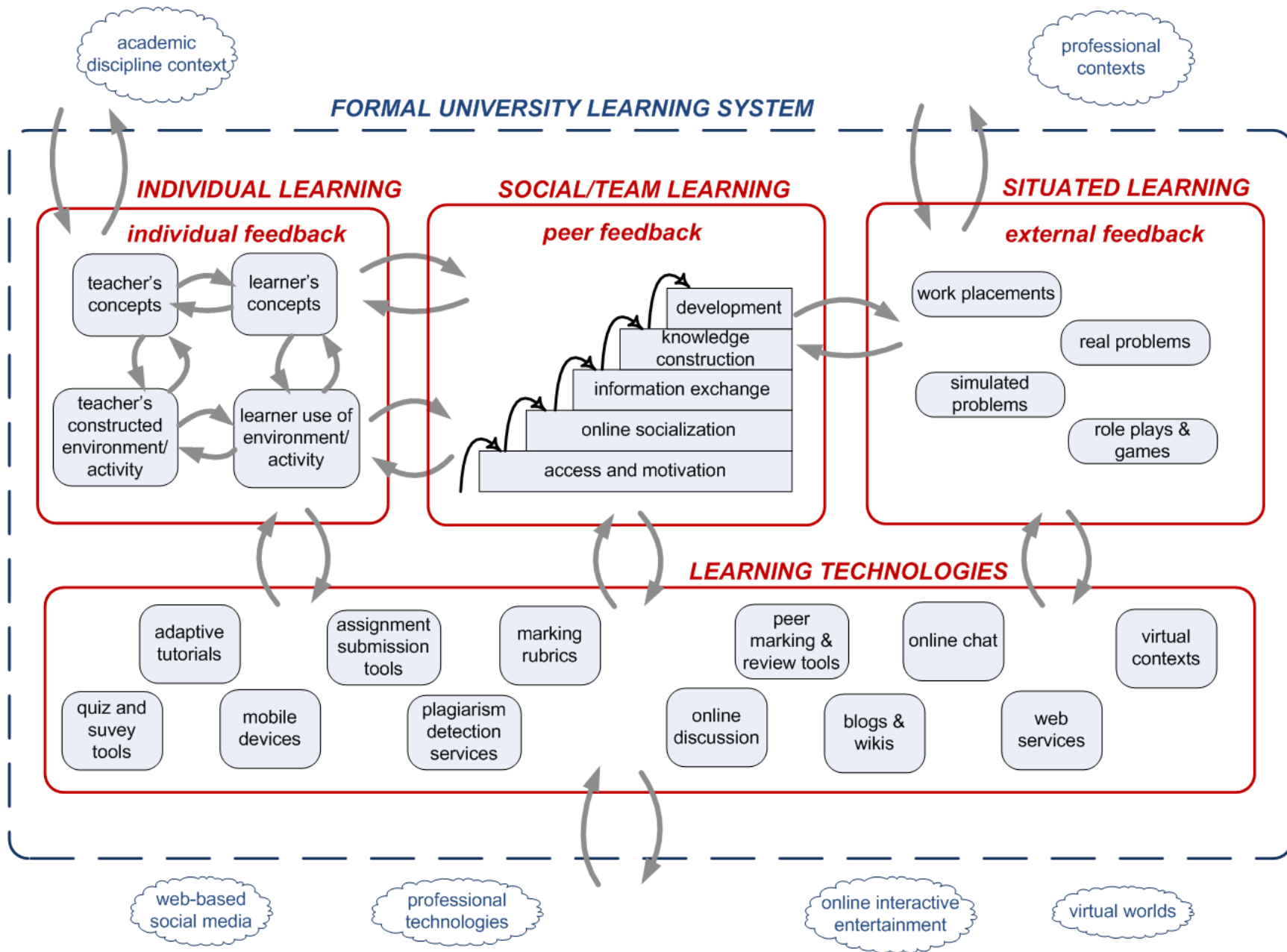


Individual learning : The conversational model of learning (based on Figure 1 in Laurillard, 2008)



Social learning online: The 5-step e-moderating model (based on Salmon, 2011, E-Moderating)





Mapping technology-supported activities to learning

Technology-supported activities	individual learning?	social learning?	situated learning?	efficiency gains?
Mobile devices				
classroom voting	✓	✓		✓
peer marking (iPods, iPads, web services)	✓	✓	✓	✓
teacher marking (iPods and iPads)	✓		✓	✓
mobile media and questions	✓		✓	
Online tools				
group management	✓	✓	?	✓
peer marking	✓	✓	?	✓
peer feedback	✓	✓	?	✓
quiz design	✓			?
adaptive tutorials	✓			?
digital media	✓			✓
Virtual contexts				
games	✓	✓	✓	
simulations	✓	✓	✓	
virtual reality	✓	✓	✓	
online role play	✓	✓	✓	