

STEM Teaching for the 21st Century: From Learning Targets to Curricular Units

December 2017

	MON	TUE	WED	THU	FRI
8:30 - 9:00	(breakfast)	(breakfast)	(breakfast)	(breakfast)	(breakfast)
9:00 - 9:30	- OVERVIEW B - FabLearn program	- PEDAGOGY G - Student-view of a project: Scientific Inquiry	- PEDAGOGY G - Student-view of a project: Scientific Inquiry	- PEDAGOGY H - Come to the Light: Engineering Organisms that Behave According to Phototaxis	- PEDAGOGY H - Come to the Light: Engineering Organisms that Behave According to Phototaxis
9:30 - 10:00	- PEDAGOGY F - Science Standards and the FabLearn Curriculum Framework				
10:00 - 10:30					
10:30 - 11:00	(coffee break)	(coffee break)	(coffee break)	(coffee break)	(coffee break)
11:00 - 11:30	- OVERVIEW C - Attendee introductions	- PEDAGOGY G - Student-view of a project: Scientific Inquiry	- PEDAGOGY K - Science education: New opportunities	- PEDAGOGY H - Come to the Light: Engineering Organisms that Behave According to Phototaxis	- PEDAGOGY M - New Roles of Teachers and Students Using Technology in the Curriculum
11:30 - 12:00		- PEDAGOGY J - Science education: How to think about it	- PEDAGOGY O - Video observation	- PEDAGOGY L - Ways of designing project-based learning for success (or failure)	- PEDAGOGY O - Video observation
12:00 - 12:30	- THEORY E, part 1 - Card game				
12:30 - 1:00					
1:00 - 1:30	(lunch)	(lunch)	(lunch)	(lunch)	(lunch)
1:30 - 2:00					
2:00 - 2:30			- TOOLS E - Selecting Tools for Class Projects		
2:30 - 3:00	Visit to EPAA	- THEORY D - Backwards Design	- TOOLS F - Kid-friendly Environments	- PEDAGOGY O - Video observation	- FINAL PRESENTATIONS -
3:00 - 3:30					
3:30 - 4:00	(coffee break)	(coffee break)	(coffee break)	(coffee break)	(coffee break)
4:00 - 4:30	- THEORY E, part 2 - Constructivism, Constructionism and Papert	- PEDAGOGY N - Development Studio	- PEDAGOGY N - Development Studio	- PEDAGOGY N - Development Studio	- FINAL PRESENTATIONS -
4:30 - 5:00	The role of technology and constructionism in curriculum design				
5:00 - 6:00					