Evaluation Criteria for Katherine Burden's Science 8 Lesson on Lenses						
		Meets Expectations	Approaching Expectations	Does Not Yet Meet Expectations		
Construction of knowledge	The learner is given the opportunity to identify one's own previous knowledge Learners have access to resources to help them problem solve Learners are able to affect the environment in some way (able to manipulate or construct something) Hypermedia is used as a medium to construct knowledge, not just deliver information Learning is student-centered					
Process not product	The learning process is driven by connections to related topics Learners have choice in their demonstration of understanding Learners are permitted feedback and revision throughout the learning process					
Multiple perspectives	Learners are provided an opportunity to exchange ideas with each other Learners are given opportunities for collaboration Learners are able to reconstruct their own meanings after collaboration					
Situated cognition	The problem presented to learner is authentic and represents a real-world task Lesson challenges and supports learner All contextual information around the problem are present					
Reflexive cognition	Students can articulate their understanding throughout the learning process Students can examine their personal beliefs about the subject					

	Learners are encouraged to be self-aware and self-regulatory		
Cognitive apprenticeship	Scaffolding in the lesson allows the learner to outperform Students are provided with the appropriate coaching and support from the teacher		
Process-based evaluation	Cognitive tools allow learners to show understanding beyond verbal discussion Assessment tests the learning outcomes		
	Students monitor their own learning Students are able to reflect on their learning		
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Predict, Observe, Explain Model (POE)	Learners are asked to predict a solution to an authentic problem based on their previous knowledge		
	Learners actively observe and manipulate information to develop a solution to the problem		
	Learners compare their new solutions to the old one and explain any differences		
	Learners share their solutions with others		

References:

Learning Resources Unit @ BCIT (2003). Constructivist e-learning methodologies: A Module development guide. *Pan-Canadian Health Informatics Collaboratory*. Retrieved from

https://connect.ubc.ca/bbcswebdav/courses/SIS.UBC.ETEC.530.66C.2014S12.33210/download/unit5-construct-method.pdf

Matthews, M. R. (1994). Science Teaching. New York: Routledge, Chapter 7 [pdf]