

Appendix

Data Analysis: A Priori (Sensitizing) Codes

Code	Definition	Example	Theoretical Literature
Belief	-An acceptance that a statement is true or that something exists. -Trust, faith, or confidence in someone or something	<i>UDL is a very important design for teachers to understand and apply in their classrooms</i>	<p>Akkerman & Meijer, 2011; Bhattacharyya, Volk, & Lumpe, 2009; Burke & Stets, 2009; Bryan, 2002; 2003; Dweck, 2000; Forssell, 2009; Enyedy, et al., 2006; Fajet, Bello, Leftwich, Mesler, & Shaver, 2005; Hilton, 2010; Gee, 2000; Grier & Johnston, 2009; Hofer & Pintrich, 1997; Jones & Carter, 2007; Luehmann & Tinelli, 2008; McDevitt, Troyer, Ambrosio, Heikkinen, & Warren, 1995; Nilsson & Loughran, 2011; Spector & Strong, 2001; Weld & Funk, 2005</p>
Experience	-The process of doing and/or seeing things related to the content area (historical or contemporary) -A skill or knowledge that is acquired by doing	<p><i>Contemporary— I think our lesson went pretty well. The students loved the video we showed at the beginning of a familiar character using a parachute. We used this video to introduce the concept of what a parachute does and how it acts with the air.</i></p> <p><i>Historical-- From as far as I can remember, science in school was never something I was comfortable with or necessarily good at. I barely remember what we did in elementary school as far as science goes, and some of the only things I remember were making "gak" and homemade ice cream. I think the only reason I remember these activities is because they resulted in things that I tangibly was able to take home and could relate to the outside world.</i></p>	
Epistemology	A positionality regarding the role of knowledge and its influence upon student learning and practice	<i>We sometimes shortchange our students by not allowing appropriate time for discussion of ideas and thoughts. If students are only given the opportunity to regurgitate facts and terms they have learned and not think deeply about what they are saying, chances are that information will be as good as gone after a few weeks. As teachers, I think it is important for us to have a time during each of our lessons to allow for discourse and argumentation.</i>	
Perceptual Input	-A cognitive process involving the interpretation of sensory input -Input may be a self-reflection or from a peer, contextual agent (cooperating teacher, administrator), or expert voice (literature or instructor)	<i>Because there are so many different students with different learning styles and needs, teachers need to make sure they are structuring a classroom with activities that will meet the needs of every student in the room. In the classroom I am currently working in, I definitely see signs of UDL.</i>	