

Design Principles		Supporting Noticing and Ambitious Instruction Literature	
1	Using video to support noticing	Noticing	<b>Converging (i.e., literature that re-emerges in subsequent principles):</b> Barnhart & van Es, 2015; Borko, Jacobs, Eiteljorg, & Pittman, 2008; Grossman, 2009, McDuffie et al., 2014; Rosaen, Lundeberg, Cooper, Fritzen, & Terpstra, 2008; Santagata, 2011; Santagata & Angelici, 2010; Santagata et al., 2007; Seago, 2003; Star & Strickland, 2008; Van Es & Sherin, 2002)  <b>Section specific (i.e., literature that is explicitly discussed in a single principles):</b> Seidel et al., 2013
		Ambitious Instruction	Aki & Chana, 2017; Kazemi & Hintz, 2014; O'Connor & Michaels, 1996; van Es et al., 2014
2	Noticing with purpose	Noticing	<b>Converging:</b> Borko et al. 2008; Horn, Garner, Kane, & Brasel, 2017; McDuffie et al. 2014; Santagata 2011; Santagata & Angelici, 2010; Santagata & Guarino, 2011; Santagata et al., 2007; Star & Strickland, 2008; Van Es & Sherin, 2002  <b>Section specific:</b> Borko, Koellner, Jacobs, & Seago, 2011; Kersting, Givvin, Sotelo, & Stigler, 2010; Santagata & Yeh, 2014; Star, Lynch, & Perova, 2011; van Es & Sherin, 2006
		Ambitious Instruction	Ball, 1993; Kazemi & Hintz, 2014; Lampert, 2003; O'Connor & Michaels, 1996
3	Envisioning new ways of proceeding to deepen understandings	Noticing	<b>Converging:</b> Horn, Garner, Kane, & Brasel, 2017; Santagata & Angelici, 2010; Santagata & Guarino, 2011
		Ambitious Instruction	Franke et al., 2007; Kazemi & Hintz, 2014
4	Decomposition of practice to support noticing	Noticing	<b>Converging:</b> Grossman et al., 2009 <b>Section specific:</b> Goodwin, 1994
		Ambitious Instruction	Aki & Chana, 2017; Ball (1993); Franke et al., 2007; Kazemi & Hintz, 2014; Lampert, 2003; O'Connor & Michaels, 1996; van Es et al., 2014 <i>(Note: Although foundational to this section, these pieces are not explicitly mentioned, as positioning students competently is discussed generally)</i>

Table 1: Design Principles and Supporting Literature

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