

TABLE 2

Description of the categories and levels of MAT candidates' views of teaching and learning in pre- and post-course interviews.

Participant name	Views		Descriptions of categories
	Precourse	Postcourse	Main categories
Benny	II-A	II-C	<p>Teacher-Centered Canonical (TC-Canonical): only concerned with knowledge of the discipline; agnostic on students' ideas</p> <p>Teacher-Centered Awareness (TC-Awareness): aware of students' ideas, but no real consideration of how to incorporate them into instructional decisions</p> <p>Student-Centered Replacement (SC-Replacement): only considers students' ideas as having gaps needing to be filled or misunderstandings needing to be replaced</p> <p>Student-Centered Refinement (SC-Refinement): recognizes that students' ideas can be treated as resources through which scientific understandings can be developed</p>
Charles	I-C	III-C	
Courtney	IV-B	IV-C	
Darby	III-C	IV-C	
Darryl	IV-A	IV-C	
Deanna	I-B	III-C	
Howard	N/A		
Jimmy	II-A	IV-B	<p>Subcategories</p> <p>A Naive: awareness, with little vision of how to enact</p> <p>B Moderate: concrete description, with some specifics about practice</p> <p>C Advanced: clear understanding of how practice would achieve this kind of conceptual change teaching</p>
Marsden	II-B	II-C	
Mauve	II-B	IV-C	
Natasha	II-C	III-C	
Sissy	I-B	III-A	
Starsky	IV-B	IV-A	
Tea	II-C	IV-C	
Ursula	I-B	IV-A	