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				Innovation Configuration Maps: Clarifying Learning						
				Principles to Actions Mathematics Teaching Presence 8						
				methods and reason	ing; Exp	dicitly respond to mathematical	reasoning and methods of	others.)	I meanur, ragan	
				Level 1 Students attend to their or		Students attend to their own	Students attend to their	Students attend to their	Students attend to the	
Innovation Configuration Mars: Clarifying Teaching Principles to Actions Mathematics: Teaching pressure 3 Elicit and use evidence of adventa thinking larger the robust of adventa this				hinking; Respond to		Explain, represent, and justify math understanding, reasoning, and methods – verbally, in written work, or using concrete models. Reveal understanding by making revisions to methods.	 Explain and represent math understanding, reasoning, and methods – verbally, in written work, or using concrete models. Reveal understanding by making revisions to methods. 	 Explain or represent solutions verbally, in written work, or in concrete models. 	 Represent solutio verbally, in writt work, or in concer models. 	
Level 1	Level 2	Level 3	Level 4	Level 5			incurvus.			
Teachers: • Strategically elicit evidence of student thinking and reasoning focused on goals. • Attend to and interpret evidence of student thinking to assess methods, understanding, and reasoning.	Teachers: • Elicit evidence of student thinking and reasoning focused on goals • Attend to and interpret evidence of student thinking to assess methods, understuding, and	Teachers: • Elicit evidence of student misconceptions. • Attend to, filter, and interpret evidence of student misconceptions. • Address	Teachers: • Elicit evidence of student misconceptions. • Correct student errors.	Teachers: • Elicit evidence unrelated to criteria for success.		 Students contribute to the learning of their classmates as they: Ask and answer clarifying and advancing questions in response to the mathematical reasoning and methods of others. 	Students contribute to the learning of their classmates as they: • Ask clarifying questions and/or respond to methods of others.	Students contribute to the learning of their classmates as they: • Ask for correct answers or methods.		
 Respond in the moment with appropriate prompts, operations, or extensions to support student tenso- making, extend student thinking, and/or deepen conceptual understanding while moving students forward toward proceedural fluency and advanced mathematical reasoning. Use miscocceptual learning and reasoning. 	reasoning. Address the range of student understanding and misconceptions with appropriate prompts, questions, or strangies, using some opportunities to extend and deepen student thinking and reasoning.	misoconceptors wina appropriate orongets, questions, or strategies.				fudes any current mathematical and Iniversity of Texas at Austin	ferstanding, both correct and inc	orneci.		



















