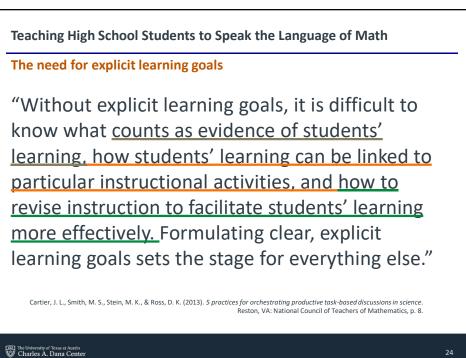
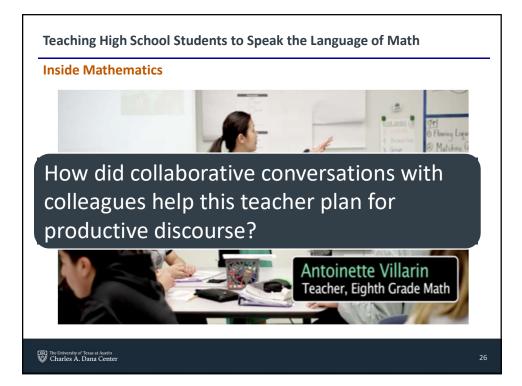
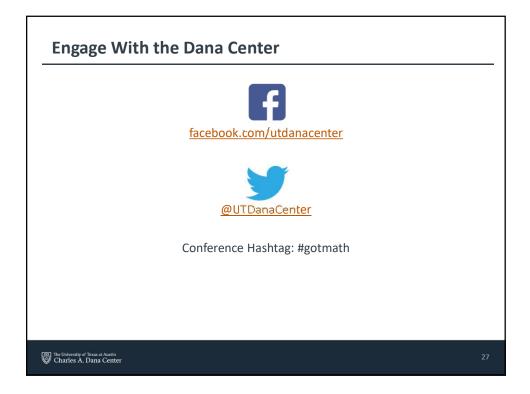


Teaching High School Students to Speak the Language of Math **Goal statements** Goal Statement 1 Which learning Students will learn slope of a linear graph. goal statement Goal Statement 2 would be most Students will identify speed as the slope of a linear graph and explain how it relates to the equation of a useful when line and its graphical representation. planning for **Goal Statement 3** student discourse? Students will interpret speed as the slope of a linear graph and translate between the equation of a line and its graphical representation. Students will describe and justify to their peers how the graphical representation and equation of a line are related. The University of Texas at Austin Charles A. Dana Center



Anticipating student responses prior to the lesson			
	What should you consider?		How is this supported?
,	The strategies that students might use to approach or	•	Solving the problem in as many ways as possible
	solve a challenging mathematical task	•	Solving the problem with other teachers
•	How to respond to what students produce	•	Drawing on relevant research when possible
•	Which strategies are most useful in addressing the mathematics to be learned	•	Documenting student responses year to year





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