



2016 Proyecto EL SMED Conference Texas Tech University

Handouts: http://aldnetwork.org/page/Feb13

Objectives from Today SPEAKING # of students Increase # of students # of minutes # of back-n-forth Quantity conversations Strength Increase Co-Construction & Quality Clarity Collaborative Arguing of Ideas; CC Skills

Overhauling the Teaching of Diverse Students

LESS

Individual accumulating of right answers, 'paying" for points, & playing school



Collaborating, understanding, building, using, & communicating

MORE



whole ideas



Developing Academic Language with **Oral Output & Conversations**



1. Oral Output is one-way, one-time, clear & strong communication of ideas & thinking.

Think-pair-shares, Answering teacher questions, Jigsaws, Gallery walks, Oral presentations

2. Conversations are back-and-forth interactions in which participants build (on one another's ideas to build up ideas that weren't in their minds before talking.



Transition Improv (For-Against)

Topics: Adding lime to soil to lower pH, fracking, genetic engineering, nuclear energy, stem cell research, human-caused climate change, wolf reintroduction, de-extinction, zoos, preserving wetlands, corn as fuel, extraterrestrial life,

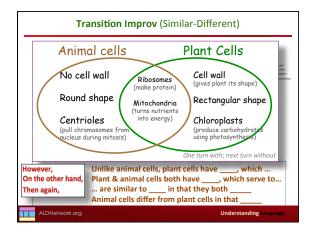
Transitions: However, On the other hand, Then again,

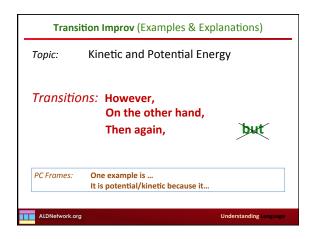


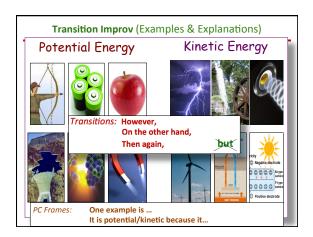
PC Frames:

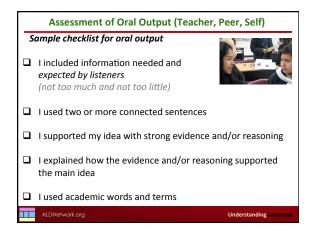
One reason for ... is ... For example, ... Evidence that supports ... is... because... A reason against ... is ... For example, ... Evidence that does not support ... is ... because ...

A & B

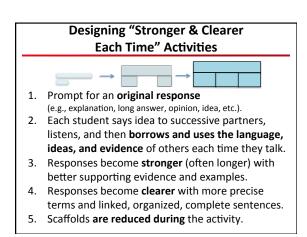


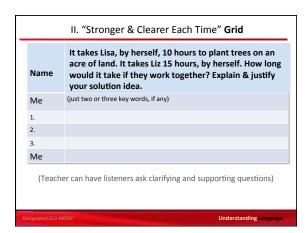


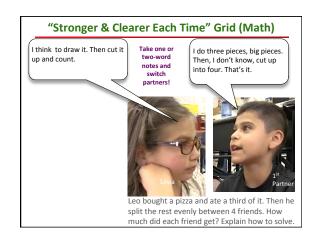


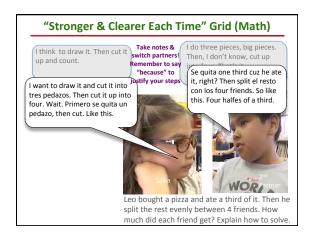


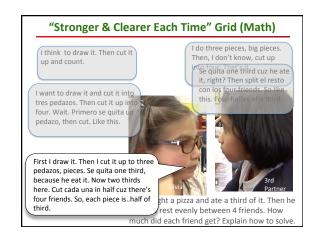


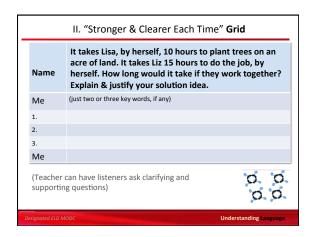


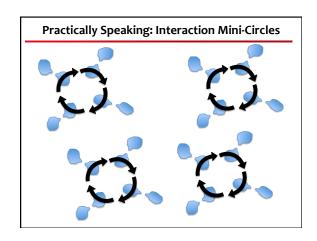


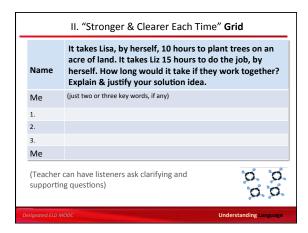


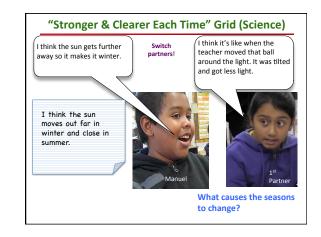


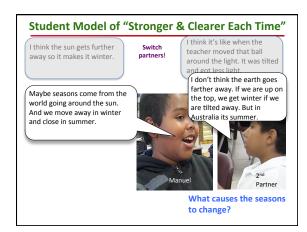


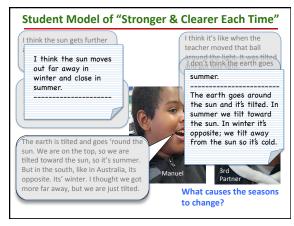




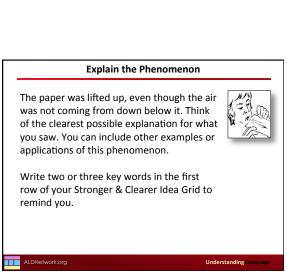


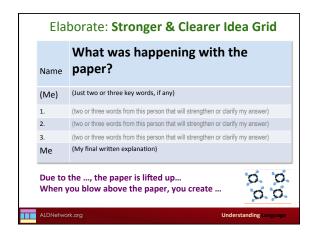


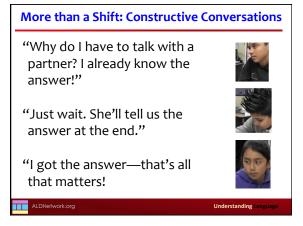


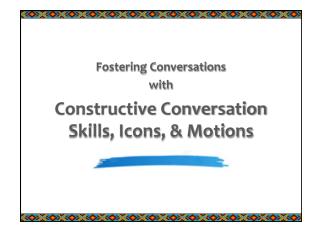


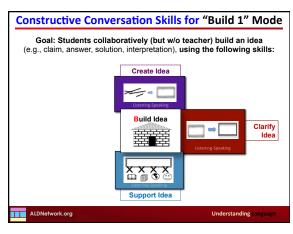
Engage and Explore 1. Hold the end of the paper strip just under your lip and let it extend out and curve down. 2. Tell a partner what you think will happen if you blow out above the paper. Explain why. 3. Blow above the paper and notice what happens to it. 4. Think of questions about what happened and share them with your partner.





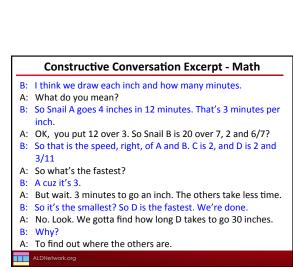






Snail Race Draw two lines to represent a 30-inch race course for snails. Show where all four snails are when the first one crosses the finish line. Snail A goes 4 inches in 12 minutes Snail B goes 7 inches in 20 minutes Snail C goes 2 inches in 4 minutes Snail D goes 11 inches in 25 minutes Snail D goes 11 inches in 25 minutes

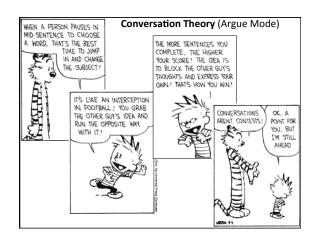
Math Paired Conversation Protocol - PRACTICE



Arguing in Science

"In the science classroom, argument often becomes a monologue – a one-way conversation where the pupils cannot engage in genuine questioning of the teacher because they lack the resources to challenge his or her assertions. As a result, the world is portrayed as a set of absolutes, characterized by 'right' and 'wrong' answers, with the origins of scientific ideas, the warrants and data for their belief, and any element of uncertainty simply excised." (Osborne, et al., 2001)

ALDNetwork.org Understanding



Goal: Students collaboratively (but w/o teacher) build claims & ideas and then choose one of them, using the following skills: Create Ideas Evaluate & Compare (Argue) How does Collaborative Argumentation differ from regular argumentation? 2t Support Ideas Understanding Anguege Understanding Anguege Understanding Anguege

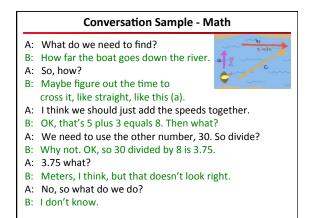
Assess a Conversation - 4th gr. Science A: I think all cars should be electric. B: Whv? A: Cuz gas cars pollute the air. B: How do you know? A: I read it. B: Read what? Gas cars makes our planet get hotter. A: B: Oh yeah, like something like gases and a greenhouse. A: What's a greenhouse? Like a glass house that gets hot cuz its all glass. Plants grow in it. What about the other side? It's gas cars are OK. B: They go more miles. A: What do you mean? B: Electric cars don't go as far as gas ones, like/ A: /And filling up with gas is less time than to recharge. And it's easier to find gas stations than recharge stations.

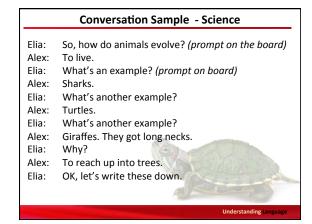
So one is better for the world, and one is easier for us. Which?

Assessing Conversation Skills: Conversation Analysis Tool Turns build on previous turns to build up a relevant idea(s) Students create or choose a relevant initial idea(s) that is focused on learning objective(s) Students clarify idea(s) (by paraphrasing, defining, elaborating) Students support ideas (using evidence, examples, explanations) If there are two or more competing ideas (i.e., an argument), Students evaluate the strength/weight of the evidence of each idea Students compare the strengths/weights and choose the "strongest/heaviest" idea Students explain (and/or negotiate) final decisions

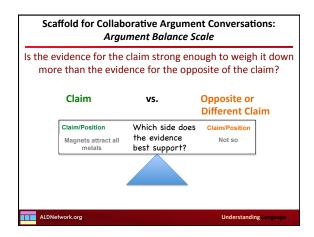
What feedback would you give? Samir: Why did that happen? Delia: The magnet made electricity. Samir: Yeah, it made electricity. Delia: So, now what? Lisa: So, why do the plates move? Edgar: They move and make earthquakes. Lisa: I felt an earthquake once. It was crazy. Edgar: Yeah, I saw a movie and the buildings fell down. Lisa: Was it true? Edgar: I think it happens for real, yeah.

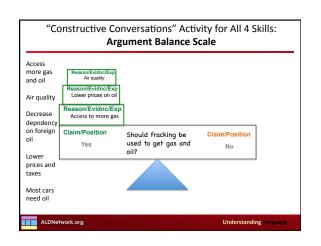


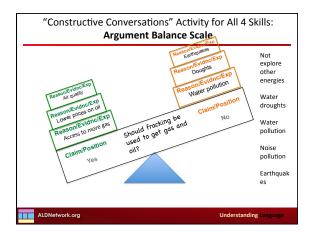


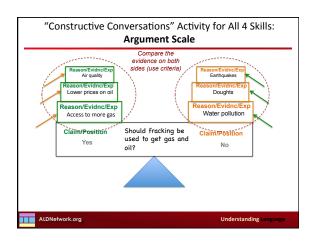


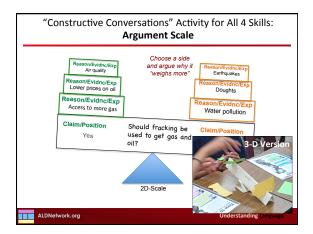


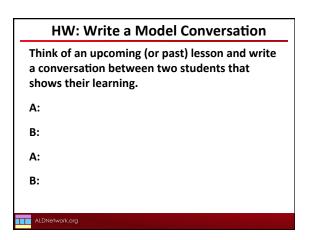












Objectives from Today: How did we do		
	SPEAKING	CONVERSING
Increase Quantity	# of students # of minutes	# of students # of back-n-forth conversations
Increase Quality	Strength Clarity	Co-Construction & Collaborative Arguing of Ideas; CC Skills

CONTACT INFORMATION		
Email: Website: Handouts:	jzwiers@stanford.edu ALDNetwork.org	
MOOCs:	http://aldnetwork.org/page/Feb13 www.NovoEd.com	
conversa Corwin. Zwiers, O'Hara, & classroon	nman (2016, in press) The discourse effect: Using tions to develop academic language and literacy. & Pritchard (2014) Common Core Standards in diverse ns: Essential practices for developing academic & disciplinary literacy. Stenhouse.	