Video Links: [7th Grade Lesson Integrating Science with Drama and History]
Lesson Objective: Using the arts to deepen understanding of science and history
Compass Component and Rating: 3(b) Using Question and Discussion Techniques

Common Core State Standard(s)
7-MS-PS1-5: Develop and use a model to describe how the total number of atoms does not change in a chemical reaction and thus mass is conserved. **7-MS-LS1-3:** Use an argument supported by evidence for how the body is a system of interacting subsystems composed of groups of cells.

Compass Component 3b: Using Question and Discussion Techniques (Rating: *Effective Emerging*)		
Indicators	**Evidence**	**Common Core Connection**
Teacher's questions lead students through a single path of inquiry, with answers seemingly determined in advance.	• Many questions are of recitation type such as "Is it possible for molecules to not move at all?" (4:50)	**7-MS-PS1-5:** Develop and use a model to describe how the total number of atoms does not change in a chemical reaction and thus mass is conserved. **7-MS-LS1-3:** Use an argument supported by evidence for how the body is a system of interacting subsystems composed of groups of cells.
The teacher attempts to frame some questions designed to promote student thinking and understanding but only a few students are involved.	• The teacher asks: "How is it that the molecules are still moving?" but only one student responds. (4:30)	
Teacher attempts to engage all students in the discussion and to encourage them to respond to one another, with uneven results.	• The teacher asks a series of questions in which only a few students respond. (4:40)	

WHAT COULD THIS TEACHER DO TO IMPROVE?

What did the teacher do in this lesson?	*Effective Emerging* Indicators	What could the teacher do to move to *Highly Effective*? (example actions)
Teacher attempts to engage all students in the discussion about molecule movement.	• Teacher attempts to engage all students in the discussion and to encourage them to respond to one another, with uneven results.	The teacher could implement a partner talk activity during questioning to actively engage all students.