

NGSS @ NSTA

Preparing for the Next Generation Science Standards—Major Practices

Session 2: Developing and Using Models

Tuesday, September 25, 2012

Reflection Questions

1. The presenters discussed why they think modeling is one of the most important practices, if not the most important practice. Why did they think so? Do you agree with them? Why or why not?
2. In what ways is the practice of developing and using models as described by the presenters different from how models are often used in classrooms?
3. How proficient are your students at developing and using models? What aspects of the practice do they struggle with?
4. To what extent have you had your students engage in modeling? Describe the experience.
5. What are some challenges in creating a classroom environment where it is commonplace to have students develop and use models?
6. What are some good *do's* and *don't's* for teachers to create a classroom environment that encourages students to develop and use models?
7. What ideas do you have about formally assessing your students' ability to develop and use models?