

NGSS @ NSTA

Preparing for the Next Generation Science Standards—Major Practices

Session 4: Analyzing and Interpreting Data

Tuesday, October 23, 2012

Reflection Questions

1. Why is analyzing and interpreting data important in science?
2. Why is it important for students to engage in analyzing and interpreting data?
3. What are some ways in which analyzing and interpreting data could lead students to engage in one or more of the other scientific and engineering practices?
4. What issues or challenges have your current students—or others you've worked with—had in analyzing and interpreting data? How did you try to address those issues or challenges?
5. The presenter shared goals for what students should be able to do at different grade levels (K-2, 3-5, 6-8, 9-12) when analyzing and interpreting data. To what extent do you see evidence that your students—or others you've worked with—have the capacity to meet these expectations? What challenges might they have? What help can you provide to help them?