



## NGSS Instruction:

### Establishing Goals & Norms for Discussion

- Before we begin this discussion, we are going to discuss some important norms for this type of discussion.
  - **Reminder:** Create a poster that has the three guidelines for a productive discussion. Display the three goals.
  - **Reminder:** Have a list of norms listed below these guidelines or on a separate sheet of chart paper/poster. However, do not display the norms until after the discussion regarding the guidelines.



- In this discussion, we want talk that is respectful, equitable, and focused on reasoning.
- Focused on reasoning...What might that look like?
  - Goal: explain answers, back ideas up with evidence, wrong answers are ok.
- With this in mind, throughout the discussion, I will push you to explain or tell us why you think something.
- In terms of being respectful...What might keep someone from participating?
  - Goal: get at ways someone might feel put down or negatively challenged when express an idea – such as silence, laughing, ignoring, and disagreeing in rude way.
  - Goal: positively engaged, even if disagree...listening, asking clarifying questions, agreeing or disagreeing with the idea and saying why.
- In terms of equity, what do we mean by equity in a discussion?
  - Goal: Participation is not only welcomed, but it is also required. Individuals have a right to be heard and an obligation to contribute.
- What might be rules or norms that we can agree on in order to keep talk respectful, productive, and welcoming?
  - Show the list that you have made on the posters. See below.
    - Explain and Defend Ideas with evidence
    - Listen to others and show that you are listening
    - Speak to one another (not just the teacher)
    - Connect your ideas to others' (explain, add to, respectfully disagree)
    - Participate-speak loud and clear
  - Is there anything that we need to add to our norms?

**Let's Talk!** Discussion Expectations

- We all contribute.
- We all speak loudly and clearly enough for others to hear.
- We speak to one another and not just the teacher.
- We all listen and show that we are listening.
- We explain and defend our ideas with evidence.
- We are respectful and connect to each other's ideas.
- We ask questions when we do not understand or cannot hear.

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