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| **Amount of Time**  **and Purpose** | **Materials and Guiding Questions** |
| **5 mins.**  Review PE’s and gather thoughts | * Materials – standards page, Framework (related DCI section) * *Individually*, review Performance Expectation(s) and associated DCI, SEP, CCC * No discussion, record key ideas on NGSS to Instruction organizer |
| **10 mins.**  What is the intent of the Standards? | * Materials – Standards, Framework, Appendices E, F, G * As a *group*, discuss:   + Why is this important for students to know?   + What text evidence helps determine intent?   + What are connections to grades before and after? Other PEs |
| **10 mins.**  What is not in the standards? What are the boundaries? | * Materials – Standards, Framework, Appendices E, F, G * As a *group*, discuss:   + Clarification statement and assessment boundary with PE   + Introduction for the topic in DCI section of Framework   + DCI Progression (Appendix E) |
| **10 mins.**  How does the practice allow students to demonstrate learning? | * Materials – Standards, Framework, Appendix F * As a *group*, discuss:   + Why this practice with this DCI?   + What will students need to experience and know with respect to the practice? |
| **10 mins.**  How might supporting standards facilitate the learning of the science? | * Materials - Standards-Connection boxes (appendices L and M) Other programs and standards (Quality Core, AP, content etc.) * As a group, discuss:   + How might literacy standards help develop understanding of the selected science standards?   + How might mathematics standards help develop understanding of the selected science standards?   + What are the connections with other content standards and programs? |
| **5 mins.**  Reflect | * *Individually*, share what you learned… |

**Getting to the INTENT: A protocol for looking at the NGSS**