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| **Time / Purpose** | **Materials and Guiding Questions** |
| **5 mins.**  Review PEs 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 in notes |
| **10 mins.**  What is the intent of the PE(s)? | * Materials – Standards, Framework, Appendices E, F, G * As a ***group***, discuss:   + Why is this important for students to know?   + What vocabulary/language helps determine intent?   + What are connections to grades before and after? Other PEs? |
| **10 mins.**  What is not in the PE(s)? What are the boundaries? | * Materials – Standards, Framework, Appendix E * As a ***group***, discuss:   + Clarification statement and assessment boundary with PE   + Introduction for the topic in DCI section of Framework   + DCI Progression (Appendix E) – what is intended depth for the DCI? |
| **10 mins.**  How does the practice(s) facilitate student 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?   + What other practices might enhance student mastery of the DCI?   + What is the appropriate depth for each practice? |
| **10 mins.**  How does the crosscutting concept(s) facilitate student learning? | * Materials – Standards, Framework, Appendix G * As a ***group***, discuss:   + Why this crosscutting concept with this DCI?   + What will students need to experience and know with respect to the crosscutting concept?   + What other crosscutting concepts might enhance student mastery of the DCI?   + What is the appropriate depth for each crosscutting concept? |
| **10 mins.**  How might supporting standards facilitate the learning of the science? | * Materials - Standards-Connection boxes (appendices L and M) * 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**