**Earth Systems and Changes**

**Thinking About Science and Engineering Practices**

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| **Science & Engineering Practice** | **What I think this is mostly about** |
| **1. Asking Questions (for science) & Defining Problems (for Engineering)** |  |
| **2. Developing and Using Models** |  |
| **3. Planning and Carrying Out Investigations** |  |
| **4. Analyzing and Interpreting Data** |  |
| **5. Using Mathematics and Computational Thinking** |  |
| **6. Constructing Explanations (in science) & Designing Solutions (in engineering)** |  |
| **7. Engaging in Argument from Evidence** |  |
| **8. Obtaining, Evaluating, and Communicating Information** |  |

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**Thinking About Crosscutting Concepts**

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| **Crosscutting Concepts** | *Deer Migration*: Examples from the Video that relate to the Crosscutting Concept |
| **1. Patterns** |  |
| **2. Cause and Effect** |  |
| **3. Scale, Proportion, and Quantity** |  |
| **4. Systems and System Models** |  |
| **5. Energy and Matter** |  |
| **6. Structure and Function** |  |
| **7. Stability and Change** |  |