

SD148 CCSS Summer Portfolio:
Science 6th-8th Grade
Activity 7: Investigating the Draft of the CCSS for Science (NGSS)

Goals

- The participant will understand the Next Generation Science Standards(NGSS) are drafts
- The participant will understand how to read the NGSS draft
- The participants will analyze one discipline of the NGSS draft
- The participants will create student activities that support the NGSS

Purpose

- To read and understand the intent of the NGSS draft
- To analyze the NGSS draft
- To create activities for student performance at grade level

Procedure:

1. Read the “May 2012 NGSS Public Draft Front Matter” article. Put the “**Key Concepts. . .**” from the article on the graphic organizer
2. Read the explanation of “How to read the NGSS”. An explanation can also be found at www.nextgenscience.org/how-to-read-the-standards. **What do you think of the way the NGSS are presented?** Complete this section of the graphic organizer.
3. The NGSS have four disciplines at the middle school level. These can also be found at www.nextgenscience.org/search-standards.
 - a. Physical Science – 6 main ideas
 - b. Engineering Technology and Applications of Science – 2 main ideas
 - c. Earth and Space Sciences – 6 main ideas
 - d. Life Science – 5 main ideas
4. Choose **one** of the disciplines to read and complete the **Main Ideas of the Discipline** section of the graphic organizer
5. In the discipline you have chosen, read the NGSS and **Summarize the Key Concepts** of each main idea on the graphic organizer
6. Complete the **What might this look like in student work at your grade level** column on the graphic organizer, giving two examples of student performance for each of the areas in a science class
7. Place the completed graphic organizer in your portfolio

Timeline:

Read the “Front Matter” article, read the area of focus standards, complete the graphic organizer

3 hours

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Key concepts of the “Front Matter” article

What do you think about the way the NGSS are presented?

NGSS Science Discipline you have chosen:		
Main Idea of the Discipline	Summary of the Key Concepts of the Main Idea	What might this look like in student work at your grade level

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