

2.8: End of Chapter Activity

Understanding NGSS for K-12 Education

The **Next Generation Science Standards (NGSS)** are a set of research-based, up-to-date K–12 science content standards. These standards provide a framework for science education that integrates three dimensions:

1. **Disciplinary Core Ideas (DCIs):** Key concepts in science that have broad importance within or across multiple science disciplines.
2. **Science and Engineering Practices (SEPs):** The skills necessary to engage in scientific inquiry and engineering design.
3. **Crosscutting Concepts (CCCs):** Concepts that bridge disciplinary boundaries, helping students to connect knowledge from various fields of science.

The goal of NGSS is to prepare students for college, career, and citizenship by focusing on a deeper understanding of content and developing key skills that students need to be informed and engaged in scientific and engineering practices.

Assignment: Develop a Lesson Plan for K-2 or 3-5 Grades

Students will develop a lesson plan to help K-2 or 3-5 students distinguish between mass, volume, and length through hands-on activities and observations using a balance scale, graduated cylinders, and rulers or measuring tapes.

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