Kognity

Kognity and the Next Generation Science Standards

This guide outlines the structure of the Kognity for High School Science books with explicit connection to the NGSS. We will explore where the alignments can be found in the content and how you can use the connections to structure and inform your teaching.



UNIT

Each unit in Kognity is the **Anchoring Phenomenon** that anchors all the learning of a unit. Anchoring Phenomena are observable events that occur in the universe that we can use our science knowledge to explain or predict.

MODULE

The modules are the **Investigative Phenomena**, which students will explore and observe as part of the storyline that links back to the Anchoring Phenomenon

1 Ecosystem interactions and energy: Powering a predator 1.0 Introduction to the phenomenon 1.1 What does a mountain lion eat? 1.2 How can populations grow? 1.3 How can we describe growth? 1.4 What else can be transported in food webs?

LESSONS

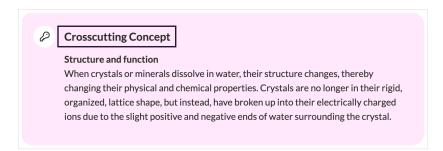
Performance Expectations

Performance Expectations are the assessable statements of what students should be able to accomplish in order to demonstrate understanding.

All learning should link back to a Performance Expectation. For more information on performance expectations, refer to your Teacher Guide provided by Kognity.

The three dimensions

- 1. Disciplinary Core Idea (DCI) identifies why a phenomenon occurs, otherwise known as the main scientific idea.
- 2. Cross-cutting concepts (CCC) connect concepts across sciences and other disciplines. Examples of this are systems or patterns shown in colored boxes in the content of the book.



3. Scientific and engineering practices (SEP) are tools to apply concepts and skills to be able to investigate further.



Where can I find the NGSS alignments?

Each of the lessons in a module has alignments to cross cutting concepts, disciplinary core ideas, science and engineering practices, and performance expectations. The standards can be found in the table of contents under **Lessons**. Each of the content options in the lesson aligns to one or more of the standards.

