Kognity

Kognity and the NGSS Framework

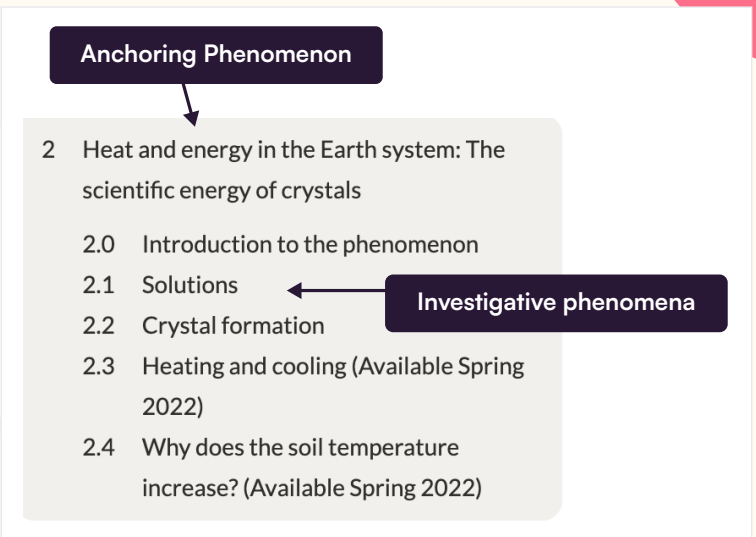
This guide outlines the structure of Kognity's NGSS books with explicit connection to the NGSS framework. We will explore where the alignments can be found in the content and how you can use the connections to structure and inform your teaching.

UNIT

Each unit in Kognity is the **Anchoring Phenomenon** that anchors all the learning of a unit. In NGSS, 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



LESSONS

Performance Expectations

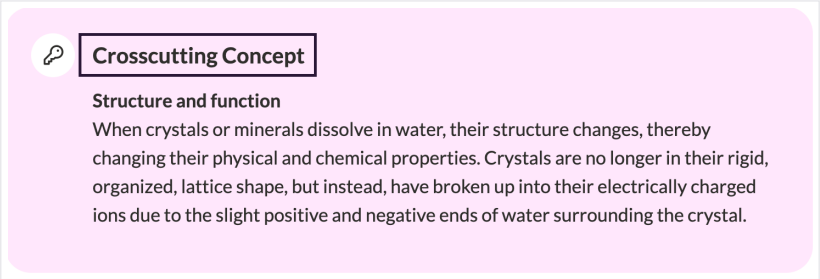
Performance Expectations are the assessable statements of what students should be able to accomplish in order to demonstrate understanding.

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

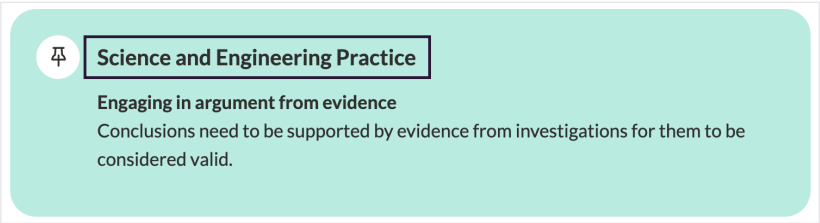
The three dimensions

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.



The 5E Framework

Kognity's NGSS content is designed around the 5E model of instruction which takes students through different phases of learning. The 5E stage of each section in Kognity's book is highlighted in the table of contents.